

Overview

The Siemens SITRANS LG series are guided wave radar transmitters for level, level/interface, and volume measurement of liquids and solids. The SITRANS LG product line can handle changes in process conditions, high temperatures and pressures, and steam.

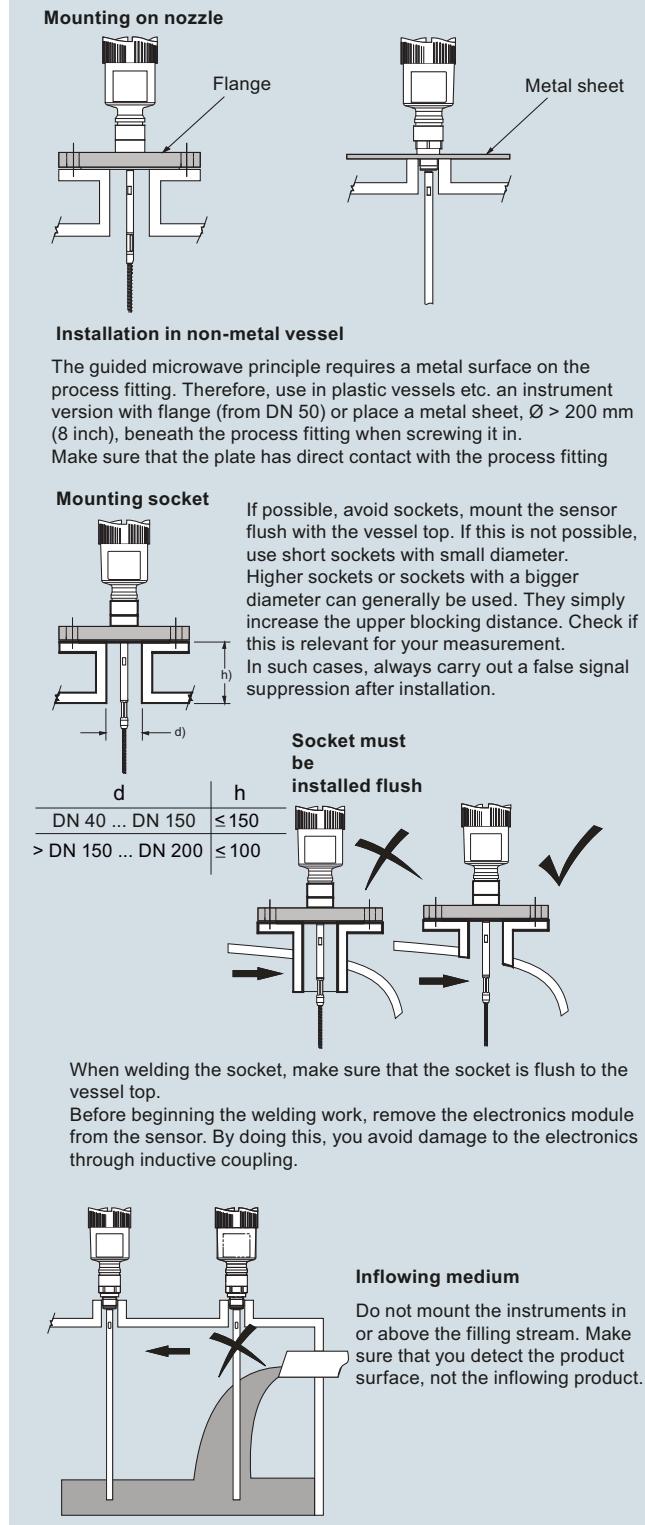
Benefits

- High accuracy to +/- 2 mm
- Advanced Diagnostics available for high degree of safety
- Simple menu driven display offers ease of setup
- Large range of options offers reliability in most continuous level measurement applications
- Ease of maintenance through module design and field replaceable and adjustable probe options
- Perfect solution for wide range of applications from storage to interface with options for extreme pressure and temperature conditions
- Universally applicable in liquids, interface, slurries and solids
- Highly immune to build-up using auto learn function
- Ability to measure in loss of echo situations with probe end tracking

Application

The SITRANS LG series comes in four different models, depending on the applications, level of performance, and functionality required:

- SITRANS LG240 offers configuration options for your hygienic and corrosive application requirements
- SITRANS LG250 Highly flexible solution for liquid level and interface applications. Extremely versatile offering solutions for storage, separation of materials or difficult ammonia applications
- SITRANS LG260 Ideal for measuring level in medium range solids applications including; grains, plastics, and cement
- SITRANS LG270 offers configuration options for extreme conditions including high temperature and high pressure applications such as: harsh applications found in chemical, HPI and energy industries for example, LPG gas tanks, steam boilers and distillation columns

Configuration

SITRANS LG Series installation

Level Measurement

Continuous level measurement - Guided wave radar transmitters

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Technical specifications

Mode of operation		Design
Measuring principle	Guided wave radar measurement	Instrument weight (dependent on process fitting) - see manual for further details
Measuring range	300 ... 75 000 mm (11.81 ... 2 952.75 inch)	Approx. 0.8 ... 8 kg (0.176 ... 17.64 lb)
Output		Materials
mA analog output with HART digital signal	4 ... 20 mA/HART (SIL optional)	<ul style="list-style-type: none"> Enclosure Plastic housing plastic PBT (Polyester) Aluminum die-casting housing, aluminum die-casting AlSi10 mg, powder-coated- basis: polyester Stainless steel housing, precision casting 316L Stainless steel housing, electropolished 316L
Output range	Current: minimum 3.8 mA, maximum 20.5 mA	
• Analog	≤ 10 mA for 5 ms after switching on, ≤ 3.6 mA	
• Start-up current		
Diagnostic alarm	Failure signal current output (adjustable): last valid measured value, ≥ 21 mA, ≤ 3.6 mA	• Degree of protection
Digital communication	HART Version 7 x and multidrop compatible	<ul style="list-style-type: none"> Type 4/NEMA 4, IP65 Plastic housing IP66/IP67 Aluminum and stainless steel housings are IP 66/68
Modbus	Modbus RTU, Modbus ASCII	2x M20 x 1.5 or 2 x ½" NPT
PROFIBUS PA	PROFIBUS PA profile 3.02	
FOUNDATION Fieldbus	FOUNDATION Fieldbus protocol Physical layer according to IEC 61158-2	
Performance		Process connections
Non-linearity	Process reference conditions according to DIN EN 61298-1	G¾" A, G1" A, G1½" A according to DIN 3852-A
• Coaxial		¾" NPT, 1" NPT, 1½" NPT
• Single rod probes		
• Interface models	See manual for more details	DIN from DN 25, ANSI from 1"
Resolution and repeatability	Accuracy +/- 2 mm (0.08 inch)	Hygienic fittings
Accuracy		
• Coaxial/rod/cable probes	± 2 mm (0.08 inch)	
• Interface models	± 5 mm (0.197 inch)	
	(Note: Typical deviation, Interface measurement)	
Electromagnetic compatibility (check if needed)	See manual for full explanation	
• Measuring cycle time	< 500 ms	
• Step response time	≤ 3 s	
• Temperature Effects	The measurement error from the process conditions is in the specified pressure and temperature range of below 1 %	
Rated operating conditions		Programming
Ambient temperature for enclosure	-40 ... +80 °C (-40 ... +176 °F)	Local
LCD readable temperature range	-40 ... +80 °C (-40 ... +176 °F) with display heated option	Hart communicator
Location	Indoor/outdoor	PC
Installation category	II	
Pollution degree	2	
Relative Humidity	20 ... 85 %	
Medium conditions		Power
Dielectric constant	dK ≥ 1.4 (configuration dependent)	2 wire Hart version
	Note: for measurement below 1.4, use probe end tracking.	4 wire versions
Process temperature range	-196 ... +450 °C (-321 ... +842 °F)	Modbus
Vessel pressure	-1 ... +400 bar (-100 ... +40 000 kPa)	PROFIBUS PA
		FOUNDATION Fieldbus
Certificates and approvals		Note: see manual for specific power based on ordered options
Hazardous approvals:		ATEX, FM, CSA, IECEx
		Note: other regional approvals available
Hygienic approvals:		EHEDG
Overfill protection		WHG, Vlarem
Ship approval		ABS, CCS, GL, BV, LR

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	SITRANS LG240	SITRANS LG250	SITRANS LG260	SITRANS LG270
Industries	Food, Beverage and Pharmaceutical	Chemical/HPI/Power/General	Cement, power generation, food, processing, mineral processing, mining	Chemical/HPI/Power/General
Applications	Hygienic and corrosive applications	Liquids, storage and process vessels with agitators, vaporous liquids, interface	Cement, fly ash, grain, coal, flour, plastics	Aggressive applications in liquids, storage and process vessels with agitators, vaporous liquids, high temperatures and pressures, low dielectric media
Range	32 m	75 m	60 m	60 m
Performance	+/- 2 mm	+/- 2 mm	+/- 2 mm	+/- 2 mm
Temperature	-40 ... +150 °C (-40 ... +302 °F)	-40 ... +200 °C (-40 ... +392 °F)	-40 ... +200 °C (-40 ... +392 °F)	-196 ... +450 °C (-320.8 ... +842 °F)
Communications	<ul style="list-style-type: none"> • 4 ... 20 mA/HART • Modbus: Modbus RTU, Modbus ASCII • PROFIBUS PA • FOUNDATION Fieldbus • SIMATIC PDM • DTM/FDT for PACTware • Fieldcare 	<ul style="list-style-type: none"> • 4 ... 20 mA/HART • Modbus: Modbus RTU, Modbus ASCII • PROFIBUS PA • FOUNDATION Fieldbus • SIMATIC PDM • DTM/FDT for PACTware • Fieldcare 	<ul style="list-style-type: none"> • 4 ... 20 mA/HART • Modbus: Modbus RTU, Modbus ASCII • PROFIBUS PA • FOUNDATION Fieldbus • SIMATIC PDM • DTM/FDT for PACTware • Fieldcare 	<ul style="list-style-type: none"> • 4 ... 20 mA/HART • Modbus: Modbus RTU, Modbus ASCII • PROFIBUS PA • FOUNDATION Fieldbus • SIMATIC PDM • DTM/FDT for PACTware • Fieldcare

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Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG240 Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids. ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5880-		SITRANS LG240 Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.	7ML5880-	
Approvals Ordinary location CE ⁹ Overfill protection (WHG; VLAREM) ²⁸⁾ ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ⁹) ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG; VLAREM) ³⁾⁽²⁸⁾ ATEX II 1G, 1/2G 2G Ex ia IIC + ATEX II 1D, 1/2D, 2D IP6x ⁽¹⁵⁾⁽²⁴⁾⁽²⁶⁾⁽²⁷⁾ ATEX II 1/2G, 2G Ex d ia IIC T6 ⁽¹⁾⁽²⁾⁽²⁷⁾ ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ⁽¹⁾⁽²⁾⁽¹³⁾⁽¹⁵⁾⁽²⁴⁾⁽²⁶⁾⁽²⁷⁾ ATEX II 1D, 1/2D, 2D IP6x T ⁽¹³⁾⁽¹⁵⁾⁽²⁴⁾⁽²⁶⁾⁽²⁷⁾ IEC Ex ia IIC T6 ⁹) IEC Ex ia IIC T6 + IEC IP6x T tD ⁽¹³⁾⁽¹⁵⁾⁽²⁴⁾⁽²⁶⁾⁽²⁷⁾ IEC Ex d ia IIC T6 ⁽¹⁾⁽²⁾⁽²⁷⁾ IEC Ex d ia IIC T6 ⁽¹⁾⁽²⁾⁽²⁷⁾ IEC IP6x T tD ⁽¹⁾⁽²⁾⁽¹³⁾⁽¹⁵⁾⁽²⁴⁾⁽²⁶⁾⁽²⁷⁾ FM (NI) Class I, Div. 2, Groups A, B, C, D FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁾⁽²⁾ CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ⁽⁹⁾⁽¹³⁾⁽¹⁵⁾⁽²⁴⁾⁽²⁶⁾⁽²⁷⁾ CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁹) CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁾⁽²⁾ NEPSI Ex ia IIC T6 ⁹) NEPSI Ex ia IIC T6 + DIP A20/21 TA T* NERSI Ex d ia IIC T6 NEPSI Ex d ia IIC T6 + DIP A20/21 TA T* NEPSI Ex d IIC T6 NEPSI Ex d IIC T6 + DIP A20/21 TA T* NEPSI DIP A20/21 TA T* INMETRO Ex ia IIC T6 ... T1 ⁹) INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex ia IIC T6, Ga, Ga/Gb INMETRO Ex d ia IIC T6 ... T1 INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb INMETRO Ex d IIC T6 ... T1 INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d IIC T6 Ga/Gb INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db KOSHA Ex d IIC T6 ... T1 – KE	0 A 0 C 0 E 0 F 0 H 0 J 0 K 0 N 0 P 0 Q 0 R 0 S 1 A 1 B 1 C 1 E 1 F 1 G 2 A 2 B 2 C 2 D 2 E 2 F 2 G 3 A 3 B 3 C 3 D 3 E 3 F 3 G 4 A A B C D E		Clamp 2" PN 16 (ø 64 mm) DIN 32676, ISO2852/1.4435 (BN2) ⁴⁾ Clamp 2" PN 16 (ø 64 mm) DIN 32676, ISO2852/PTFE-TFM 1600 Clamp 2 1/2" PN 10 (ø 77.5 mm) DIN 32676, ISO2852/1.4435 (BN2) ⁴⁾ Clamp 2 1/2" PN 10 (ø 77.5 mm) DIN 32676, ISO2852/PTFE-TFM 1600 Clamp 3" PN 10 (ø 91 mm) DIN 32676, ISO2852/1.4435 (BN2) ⁴⁾ Clamp 3" PN 10 (ø 91 mm) DIN 32676, ISO2852/PTFE-TFM 1600 Clamp 4" PN 6 (ø 119 mm) DIN 32676, ISO2852/1.4435(BN2) ⁴⁾ Clamp 4" PN 6 (ø 119 mm) DIN 32676, ISO2852/PTFE-TFM 1600 Bolting DN 32, PN 40 DIN 11851/1.4435(BN2) ⁴⁾ Bolting DN 32, PN 40 DIN 11851/PTFE-TFM 1600 Bolting DN 40, PN 40 DIN 11851/1.4435(BN2) ⁴⁾ Bolting DN 40, PN 40 DIN 11851/PTFE-TFM 1600 Bolting DN 50, PN 25 DIN 11851/1.4435(BN2) ⁴⁾ Bolting DN 50, PN 25 DIN 11851/PTFE-TFM 1600 Bolting DN 65, PN 25 DIN 11851/PTFE-TFM 1600 Flange DN 25, PN 40 Form C, DIN 2501/PTFE-TFM 1600 Flange DN 40, PN 40 Form C, DIN 2501/PTFE-TFM 1600 Flange DN 50, PN 40 Form C, DIN 2501/PTFE-TFM 1600 Flange DN 50, PN 40 Form V13, DIN 2513/PTFE-TFM 1600 Flange DN 65, PN 40 Form C, DIN 2513/PTFE-TFM 1600 Flange DN 80, PN 40 Form C, DIN 2501/PTFE-TFM 1600 Flange DN 100, PN 16 Form C, DIN 2501/PTFE-TFM 1600 Flange DN 80, PN 40 EN 1092-1 Form B1/PTFE-TFM 1600 Flange DN 100, PN 40 EN 1092-1 Form B1/PTFE-TFM 1600 Flange 2" 150 lb RF, ANSI B16.5/PTFE-TFM 1600 Flange 2" 300 lb RF, ANSI B16.5/PTFE-TFM 1600 Flange 3" 150 lb RF, ANSI B16.5/PTFE-TFM 1600 Flange 4" 150 lb RF, ANSI B16.5/PTFE-TFM 1600	0 0 0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 1 0 1 1 1 2 1 3 1 4 1 5 2 0 2 1 2 2 2 3 2 4 2 5 2 6 2 7 2 8 3 0 3 1 3 2 3 3	
Probe version/Material Probe cable ø 4 mm (0.16 inch) with gravity weight/PFA ⁽²⁾⁽⁷⁾) Probe exchangeable rod (ø 8 mm) / 1.4435 (BN2), can be autoclaved (Ra < 0.76 µm) ⁽³⁾⁽⁷⁾ Probe exchangeable rod (ø 8 mm) / 1.4435 (BN2), (Ra < 0.76 µm) ⁽³⁾⁽⁷⁾ Probe rod ø 10 mm (0.39 inch)/PFA ⁽²⁾⁽⁷⁾) Probe exchangeable rod (ø 8 mm) / 1.4435 (BN2), electropolished (Ra < 0.38 µm) ⁽⁷⁾			Note: The pressure limit for all PTFE coated versions is 16 bar (per manual).		

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Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG240	7ML5880-		SITRANS LG240	7ML5880-	
Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.			Guided Wave Radar sensor for Hygienic and corrosive continuous level and interface measurement of liquids.		
Electronics			Lengths		
Two-wire 4 ... 20mA/HART	0		Rod ø 8 mm (0.31 inch)/1.4435 (Basle standard 300 ... 4 000 mm)	0	
Four-wire Modbus ¹⁹⁾²⁰⁾²¹⁾²²⁾	1		300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁴⁾	1	
Two-wire 4 ... 20mA/HART with SIL qualification ¹⁷⁾¹⁸⁾	2		1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁴⁾	2	
Four-wire 4 ... 20mA/HART; 90...253V AC; 50/60 Hz ¹⁸⁾¹⁰⁾	3		2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁴⁾	3	
Four-wire 4 ... 20mA/HART; 9.6...48V DC; 20 ... 42 V AC ¹⁸⁾¹⁰⁾	4		3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁴⁾		
PROFIBUS PA ²⁵⁾	5		Rod ø 10 mm (0.24 inch)/PFA (300 ... 4 000 mm)		
FOUNDATION Fieldbus	6		300 mm (11.81 inch) ¹⁴⁾	9 R1A	
Seal/Process temperature	A		500 mm (19.69 inch) ¹⁴⁾	9 R1B	
Without glass seal/-40 ... +150 °C (-40 ... +302 °F) ⁵⁾¹¹⁾	B		300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁴⁾	9 R1C	
FFKM (Kalrez 6221)/-20 ... 150 °C (-4 ... +302 °F)	C		1 001 ... 5 000 mm (39.41 ... 78.74 inch) ¹⁴⁾	9 R1D	
EPDM (Freudenberg 70 EPDM 291)/ -20... 130 °C (-4 ... +266 °F)	A		2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁴⁾	9 R1E	
Housing/Protection/Cable	B		3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁴⁾	9 R1F	
Plastic IP66/IP67 M20 x 1.5/blind stopper	C		Cable ø 4 mm (0.16 inch)/PFA (500 ... 32 000 mm)		
Plastic IP66/IP67 1/2" NPT/blind stopper	D		500 mm (9.69 inch)	9 R1G	
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ blind stopper	E		501 ... 1 000 mm (19.72 ... 39.37 inch)	9 R1H	
Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/ blind stopper	F		1 001 ... 2 000 mm (39.37 ... 196.85 inch)	9 R1J	
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper	G		2 001 ... 4 000 mm (196.89 ... 393.70 inch)	9 R1K	
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper	H		4 001 ... 5 000 mm (393.74 ... 590.55 inch)	9 R1L	
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper	J		5 001 ... 10 000 mm (590.59 ... 787.40 inch)	9 R1M	
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	K		10 001 ... 15 000 mm (787.44 ... 984.25 inch)	9 R1N	
Stainless steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	L		15 001 ... 20 000 mm (984.29 ... 1 181.10 inch)	9 R1P	
Stainless steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	M		20 001 ... 25 000 mm (1 181.14 ... 1 377.95 inch)	9 R1Q	
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ cable gland stainless steel	N		25 001 ... 32 000 mm (1 377.99 ... 1 574.80 inch)	9 R1R	
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel	P		Exchange rod ø 8 mm (0.31 inch)/1.4435 (BN2), electropolished ($R_a < 0.38 \mu\text{m}$)		
Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel	Q		300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁴⁾	9 R2A	
Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel	R		1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁴⁾	9 R2B	
Aluminum single chamber / IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated	W		2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁴⁾	9 R2C	
Aluminum double chamber / IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated	X		3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁴⁾	9 R2D	
Stainless steel single chamber (precision casting) / IP66/IP68 (0.2 bar) M20 x 1.5/ cable gland brass nickel-plated	Y				
Stainless steel double chamber / IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel- plated	S				

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Selection and Ordering data	Order code	Selection and Ordering data	Article No.
Further designs (mandatory) Please add "-Z" to Article No. and specify Order code(s).		Additional Operating Instructions	
Supplementary electronics Without Additional current output 4 ... 20 mA ¹⁾²³⁾	A00 A01	German 4 ... 20 mA/HART - Two-wire, PFA insulated 4 ... 20 mA/HART - Two-wire, Polished version 4 ... 20 mA/HART - Two-wire, Rod and cable probe, PFA insulated with SIL qualification 4 ... 20 mA/HART - Two-wire, Rod probe, Polished Version with SIL qualification 4 ... 20 mA/HART - Four-wire, PFA insulated 4 ... 20 mA/HART - Four-wire, Polished version Modbus, PFA insulated Modbus protocol, Polished version PROFIBUS PA, PFA insulated PROFIBUS PA, Polished version FOUNDATION Fieldbus, PFA insulated FOUNDATION Fieldbus, Polished	PBD:51041000 PBD:51041001 PBD:51041375 PBD:51041376 PBD:51041002 PBD:51041003 PBD:51041004 PBD:51041005 PBD:51041006 PBD:51041007 PBD:51041008 PBD:51041009
Local display interface Without Mounted Laterally mounted ¹⁾	E00 E01 E02		
Language of display German English French Dutch Italian Spanish Portuguese Russian Chinese Japanese	L00 L01 L02 L03 L04 L05 L06 L07 L08 L09		
Operating instructions German English French Spanish	M00 M01 M02 M03	Note: Operating instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Selection and Ordering data	Order code	English 4 ... 20 mA/HART - Two-wire, PFA insulated 4 ... 20 mA/HART - Two-wire, Polished version 4 ... 20 mA/HART - Two-wire, Rod and cable probe, PFA insulated with SIL qualification 4 ... 20 mA/HART - Two-wire Rod probe, Polished version with SIL qualification 4 ... 20 mA/HART - Four-wire, PFA insulated 4 ... 20 mA/HART - Four-wire, Polished version Modbus, PFA insulated Modbus protocol, Polished version PROFIBUS PA, PFA insulated PROFIBUS PA, Polished version FOUNDATION Fieldbus, PFA insulated FOUNDATION Fieldbus, Polished	PBD:51041037 PBD:51041038 PBD:51041385 PBD:51041386 PBD:51041039 PBD:51041040 PBD:51041041 PBD:51041042 PBD:51041043 PBD:51041044 PBD:51041045 PBD:51041046
Further designs (optional) Please add "-Z" to Article No. and specify Order code(s).			
Enter the total insertion length in plain text description	Y01		
Enter the total length of rigid part (cable version only) range from 100 ... 1 000 mm	Y02		
Cleaning included certificate: oil, grease and silicone free	W01		
Identification Label (measurement loop) stainless steel	Y17		
Identification Label (measurement loop) Foil	Y18		
3.1-Inspection Certificate for instrument (EN 10204) ¹⁶⁾	C12		
3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ¹⁶⁾	D07		
3.1-Inspection Certificate for instrument with test data (EN 10204) ¹⁶⁾	C25	Note: Operating instructions should be ordered as a separate line on the order. This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
2.2-Factory certificate for material (EN 10204) ¹⁶⁾	C15		
Quality and test plan ¹⁶⁾	C26		
Dye penetration test + 3.1 certificate/instrument ¹⁶⁾	C13		
X-ray test + 3.1 certificate/instrument ¹⁶⁾	C14		
Positive material identification test + 3.1 certificate/ instrument ¹⁶⁾	C16		
Roughness test + 3.1 certificate/instrument ¹⁶⁾	C18		
Pressure test + 3.1 certificate/instrument ¹⁶⁾	C31		
Helium leak test + 3.1 certificate/instrument ¹⁶⁾	C32		
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ¹⁶⁾	C60		
Pressure test according to Norsok + 3.1 certificate/ instrument ¹⁶⁾	C61		
5 point calibration certificate + 3.1 certificate/instru- ment (min. length 1 000 mm) ¹⁶⁾	C62		

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Selection and Ordering data	Article No.
Modbus, PFA insulated	PBD:51041115
Modbus protocol, Polished version	PBD:51041116
PROFIBUS PA, PFA insulated	PBD:51041117
PROFIBUS PA, Polished version	PBD:51041118
FOUNDATION Fieldbus, PFA insulated	PBD:51041119
FOUNDATION Fieldbus, Polished version	PBD:51041120
Note: Operating instructions should be ordered as a separate line on the order.	
This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Spanish	
4 ... 20 mA/HART - Two-wire, PFA insulated	PBD:51041074
4 ... 20 mA/HART - Two-wire, Polished version	PBD:51041075
4 ... 20 mA/HART - Two-wire Rod and cable probe, PFA insulated with SIL qualification	PBD:51041395
4 ... 20 mA/HART - Two-wire Rod probe, Polished Version with SIL qualification	PBD:51041396
4 ... 20 mA/HART - Four-wire, PFA insulated	PBD:51041076
4 ... 20 mA/HART - Four-wire, Polished version	PBD:51041077
Modbus, PFA insulated	PBD:51041078
Modbus protocol, Polished version	PBD:51041079
PROFIBUS PA, PFA insulated	PBD:51041080
PROFIBUS PA, Polished version	PBD:51041081
FOUNDATION Fieldbus, PFA insulated	PBD:51041082
FOUNDATION Fieldbus, Polished version	PBD:51041083
Note: Operating instructions should be ordered as a separate line on the order.	
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Accessories	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS LG, Mounting eye M12 x 20	PBD:51041448
SITRANS LG, Mounting spring	PBD:51041449
Siemens Intrinsically Safe Barrier (DC powered), ATEX II 1 G EEx ia	7NG4124-0AA00
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available with Housing/Protection/Cable options E, F, L, M only
- 2) Available only with Process fitting/Material options 01, 03, 05, 07, 10, 12, 14 ... 33 (PTFE-TFM 1600 options)
- 3) Available only with Process Fitting/Material options 00, 02, 04, 06, 08, 11, and 13 [1.4435 (BN2) options]
- 4) Available with Length options 0, 1, 2, 3 only (Rod ø 8 mm 1.4435 options)
- 5) Available with Length options R1A ... R1R only (Rod ø 10 mm/PFA and Cable ø 4 mm/PFA options)
- 7) Available only with the same rod or cable diameter in Length options
- 8) Available with Supplementary electronic option A00 and Local display interface options E00, E01
- 9) Available with Supplementary electronics A01, Intrinsically safe approval options (excluding FM) 0A,0E,0F,0P,1E,1F,2A, and 3A
- 10) Available with Approval options 0A, 0J, 0K, 0N, 0R, 0S, 1A, 1C, 1E, 1F, and 1G
- 12) Available with Local display interface options E00 and E01
- 13) Available with Seal/Process temperature C only
- 14) Not available with Y02
- 15) Available with Housing/Protection options C, D, E, F, G, H, L, M
- 16) Listed Certificates are not available with all configurations, please contact factory for more information
- 17) SIL electronic option 2 available with Approval options 0A, 0E, 0H, 0N, 0P, 0Q, 1A, 1B, 1E, and 1F
- 18) Available with Supplementary electronic option A00, SIL electronics
- 19) Only available with Approval options 0A, 0J, 0K, 0R, 0S, 1A, 1C, 1E, and 1G
- 20) Available with housings/protection/cable options E, F, L, M, and P
- 21) Available with supplementary electronic option A00
- 22) Available with Local display interface options E00, E01
- 23) Not available with Local display interface option E02
- 24) Available with Housing/protection options D, F, H, M, X, and S
- 25) Not available with supplementary electronic option A01
- 26) Available with Housing/protection options W and Y
- 27) Available with Housing/protection options X and S
- 28) Available with Electronics options 0, 2, and 5

Note: Please consult manual for further details.

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250 A guided wave radar sensor for continuous level and interface measurement of liquids. ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5881-		SITRANS LG250 A guided wave radar sensor for continuous level and interface measurement of liquids.	7ML5881-	
Approvals Ordinary location CE ¹⁶⁾⁵⁰⁾ Shipping approval ⁽¹⁹⁾²⁸⁾²⁹⁾ Overfill protection (WHG; VLAREM) ⁴⁶⁾⁵⁰⁾ ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ¹⁶⁾⁵⁰⁾ ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG; VLAREM) ¹⁶⁾⁴⁶⁾⁵⁰⁾ ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + shipping approval ⁽¹⁹⁾²⁸⁾²⁹⁾ ATEX II 1G, 1/2G 2G Ex ia IIC + ATEX II 1D, 1/2D, 2D IP6x ⁽²³⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾ ATEX II 1/2G, 2G Ex d ia IIC T6 ⁽¹⁾²¹⁾²³⁾⁴⁵⁾ ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ⁽¹⁾²¹⁾²³⁾⁴⁰⁾⁴⁵⁾ ATEX II 1/2G, 2G Ex d IIC T6 ⁽¹⁴⁾²⁰⁾ ATEX II 1/2G, 2G Ex d IIC + ATEX II 1/2D, 2D IP6x ⁽¹⁴⁾²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾ ATEX II 1D, 1/2D, 2D IP6x T ⁽²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾ IEC Ex ia IIC T6 ⁽¹⁶⁾⁵⁰⁾ IEC Ex ia IIC T6 + IEC IP6x T tD ⁽²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾⁴⁵⁾ IEC Ex d ia IIC T6 ⁽¹⁾²¹⁾²³⁾⁴⁰⁾⁴⁵⁾ IEC Ex d ia IIC T6 ⁽¹²⁾²¹⁾⁴⁰⁾⁴⁵⁾ IEC Ex d IIC T6 ⁽¹⁴⁾²⁰⁾ IEC Ex d IIC T6 + IEC IP6x T tD ⁽¹⁴⁾²⁰⁾²³⁾⁴⁰⁾⁴⁴⁾ FM (NI) Class I, Div. 2, Groups A, B, C, D ⁽²⁰⁾ FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁾²¹⁾²³⁾ FM (XP) Class I, Div. 1, Groups A, B, C, D ⁽²⁰⁾ CSA (NI) Class I, Div. 2, Groups A, B, C, D (DIP) Class II, III, Div. 1, Groups E, F, G ⁽¹⁶⁾⁴⁴⁾⁴⁵⁾ CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁶⁾⁵⁰⁾ CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁾²¹⁾²³⁾ CSA (XP) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁴⁾²⁰⁾ NEPSI Ex ia IIC T6 ⁽¹⁶⁾⁴⁶⁾ NEPSI Ex ia IIC T6 + DIP A20/21 TA T ^{*43)} NEPSI Ex d ia IIC T6 ⁽⁴³⁾⁴⁷⁾ NEPSI Ex d ia IIC T6 + DIP A20/21 TA T ^{*43)47)} NEPSI Ex d IIC T6 ⁽⁴³⁾⁴⁷⁾ NEPSI Ex d IIC T6 + DIP A20/21 TA T ^{*43)} NEPSI DIP A20/21 TA T ^{*43)48)} INMETRO Ex ia IIC T6 ... T1 ⁽¹⁶⁾⁴⁶⁾ INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex ia IIC T6, Ga, Ga/Gb ⁽⁴³⁾ INMETRO Ex d ia IIC T6 ... T1 ⁽⁴³⁾⁴⁷⁾ INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb ⁽⁴³⁾⁴⁷⁾ INMETRO Ex d IIC T6 ... T1 ⁽⁴³⁾⁴⁶⁾ INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d IIC T6 Ga/Gb ⁽⁴³⁾ INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db ⁽⁴³⁾⁴⁸⁾ KOSHA Ex d IIC T6 ... T1 – KE	0 A 0 B 0 C 0 E 0 F 0 G 0 H 0 J 0 K 0 L 0 M 0 N 0 P 0 Q 0 R 0 S 0 T 0 U 1 A 1 B 1 C 1 D 1 E 1 F 1 G 1 H 2 A 2 B 2 C 2 D 2 E 2 F 2 G 2 H 3 A 3 B 3 C 3 D 3 E 3 F 3 G 4 A		Probe exchangeable cable ø 2 mm (0.08 inch) with gravity weight/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾ Probe exchangeable cable ø 2 mm (0.08 inch) center weight/316L ⁸⁾⁹⁾¹²⁾²⁶⁾ Probe exchangeable cable ø 4 mm (0.16 inch) with gravity weight/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾ Probe exchangeable cable ø 4 mm (0.16 inch) with center weight/316L ⁸⁾⁹⁾¹²⁾²⁶⁾ Probe exchangeable rod ø 8 mm (0.31 inch)/316L ²⁾⁸⁾¹⁰⁾¹¹⁾²⁶⁾ Probe exchangeable rod ø 12 mm (0.47 inch)/316L ³⁾⁸⁾¹⁰⁾¹¹⁾²⁴⁾²⁶⁾ Probe coax version ø 21.3 mm (0.84 inch) with single hole/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾²⁷⁾ Probe coax version ø 21.3 mm (0.84 inch) with multiple hole/316L ⁸⁾⁹⁾¹¹⁾²⁶⁾²⁷⁾ Probe coax version ø 42.2 mm (1.66 inch) with multiple hole/316L ⁵⁾⁸⁾⁹⁾¹¹⁾²⁴⁾²⁶⁾²⁷⁾ Probe exchangeable cable ø 4 mm (0.16 inch) with gravity weight/Hastelloy C22 (2.4602) ⁸⁾ Probe exchangeable cable ø 4 mm (0.16 inch) with centre weight/Hastelloy C22 (2.4602) ⁸⁾ Probe exchangeable rod ø 8 mm (0.31 inch)/Hastelloy C22 (2.4602) ⁸⁾ Probe exchangeable rod ø 12 mm (0.47 inch)/Hastelloy C22 (2.4602) ⁸⁾ Probe coax version ø 21.3 mm (0.84 inch) with multiple hole / Hastelloy C22 (2.4602) ⁸⁾ Probe coax version ø 42.2 mm (1.66 inch) with multiple hole/Hastelloy C22 (2.4602) ⁸⁾ Probe exchangeable rod ø 8 mm (0.31 inch)/Duplex (1.4462) ⁸⁾ Exchangeable rod ø 12 mm (0.47 inch)/Alloy 400 (2.4360) ⁸⁾ Thread G 3/4" (DIN 3852-A) PN 6/316L Thread 3/4" NPT (ASME B1.20.1) PN 6/316L Thread G 3/4" (DIN 3852-A) PN 40/316L Thread 3/4" NPT (ASME B1.20.1) PN 40/316L Thread G 3/4" (DIN 3852-A) PN 100 / 316L ⁴²⁾ Thread 3/4" NPT (ASME B1.20.1) PN 100/316L ⁴²⁾ Thread G 1" (DIN 3852-A) PN 40/316L Thread 1" NPT (ASME B1.20.1) PN 40/316L Thread G 1" (DIN 3852-A) PN 100/316L ⁴²⁾ Thread 1" NPT (ASME B1.20.1) PN 100/316L ⁴²⁾ Thread G 1 1/2" (DIN 3852-A) PN 40/316L Thread 1 1/2" NPT (ASME B1.20.1) PN 40/316L Thread G 1 1/2" (DIN 3852-A) PN 100/316L ⁴²⁾ Thread 1 1/2" NPT (ASME B1.20.1) PN 100/316L ⁴²⁾ Thread 2 NPT PN 40, ASME B1.20.1/316L ³⁷⁾³⁸⁾ Flange DN 25 PN 40 Form C, DIN 2501/316L Flange DN 25 PN 40 Form F, DIN 2501/316L Flange DN 40 PN 40 Form C, DIN 2501/316L Flange DN 50 PN 40 Form C, DIN 2501/316L Flange DN 50 PN 40 form V13, DIN 2513/316L Flange DN 80 PN 40 Form C, DIN 2501/316L Flange DN 80 PN 40 Form V13, DIN 2501/316L Flange DN 100 PN 16 Form C, DIN 2501/316L Flange DN 100 PN 40 Form C, DIN 2501 /316L	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0 0 0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 1 0 1 1 1 2 1 3 1 4 1 5 2 0 2 1 2 2 2 3 2 4 2 5 2 6 2 7 2 8 3 0	

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250		7ML5881-	SITRANS LG250		7ML5881-
A guided wave radar sensor for continuous level and interface measurement of liquids.			A guided wave radar sensor for continuous level and interface measurement of liquids.		
Flange DN 100 PN 40 Form V13, DIN 2513/316L	3 1		Flange 4" 150 lb RF, ANSI B16.5/Duplex (1.4462)	7 6	
Flange DN 150 PN 16 Form C, DIN 2501/316L	3 2		Flange 4" 150 lb FF, ANSI B16.5/Duplex (1.4462)	7 7	
Flange DN 50 PN 40 EN 1092-1 Form B1/316L	3 3		Flange 4" 300 lb RF, ASME B16.5/Duplex (1.4462)	7 8	
Flange DN 80 PN 40 EN 1092-1 Form B1/316L	3 4		Flange 4" 600 lb RF, ASME B16.5/Duplex (1.4462)	8 0	
Flange 1" 150 lb RF, ANSI B16.5/316L	3 5		Thread 1 1/2" NPT PN 40, ASME B1.20.1/Alloy 400 (2.4360)	8 1	
Flange 1 1/2" 150 lb RF, ANSI B16.5/316L	3 6		Flange 2" 150 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 2	
Flange 2" 150 lb RF, ANSI B16.5/316L	3 7		Flange 2" 300 lb RF, ASME B16.5/Alloy 400 (2.4360) solid	8 3	
Flange 2" 300 lb RF, ANSI B16.5/316L	3 8		Flange 3" 150 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 4	
Flange 3" 150 lb RF, ANSI B16.5/316L	4 0		Flange 3" 300 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 5	
Flange 3" 300 lb RF, ANSI B16.5/316L	4 1		Flange 3" 300 lb RJF, ASME B16.5/Alloy 400 (2.4360)	8 6	
Flange 4" 150 lb RF, ANSI B16.5/316L	4 2		Flange 4" 150 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 7	
Flange 4" 300 lb RF, ANSI B16.5/316L	4 3		Flange 4" 300 lb RF, ASME B16.5/Alloy 400 (2.4360)	8 8	
Flange 6" 150 lb RF, ANSI B16.5/316L	4 4		Flange 12.5 PN 40 Form C, DIN 2501/Hastelloy C22 (2.4602) solid	9 0	L 1 A
Flange 6" 300 lb RF, ANSI B16.5/316L	4 5		Flange 12.5 PN 40 Form B1, EN 1092-1/Hastelloy C22 (2.4602) solid	9 0	L 1 B
Thread G 3/4" PN 40, DIN 3852-A /Hastelloy C22 (2.4602)	4 6		Flange 12.5 PN 40 Form B1, EN 1092-1/Hastelloy C22 (2.4602) solid	9 0	L 1 C
Thread G 1" PN 40, DIN 3852-A/Hastelloy C22 (2.4602)	4 7		Flange 1" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 D
Thread G 1 1/2" PN 40, DIN 3852-A/Hastelloy C22 (2.4602)	4 8		Flange 1" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 E
Thread 1 1/2" NPT PN 40, ASME B1.20.1/Hastelloy C22 (2.4602)	5 0		Flange 1" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 F
Flange DN 50 PN 40 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	5 1		Flange 2" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 G
Flange DN 50 PN 40 Form B1, EN 1092-1/316L with Hastelloy C22 (2.4602) coating	5 2		Flange 2" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 H
Flange DN 80 PN 40 Form B1, EN 1092-1/316L with Hastelloy C22 (2.4602) coating	5 3		Flange 2" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 I
Flange DN 100 PN 40 Form B1, EN 1092-1/316L with Hastelloy C22 (2.4602) coating	5 4		Flange 2" 1500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 K
Flange DN 150 PN 16 Form B1, EN 1092-1/316L with Hastelloy C22 (2.4602) coating	5 5		Flange 3" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 L
Flange DN 200 PN 16 Form B1, EN 1092-1/316L with Hastelloy C22 (2.4602) coating	5 6		Flange 3" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 M
Flange 2" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 7		Flange 3" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	9 0	L 1 N
Flange 2" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 8		Flange 4" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 P
Flange 3" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 0		Flange 4" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 Q
Flange 4" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 1		Flange 4" 300 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 R
Flange 6" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 4		Flange 4" 300 lb LT, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 S
Thread G 3/4" (DIN 3852-A) PN 40/Duplex 1.4462	6 5		Flange 4" 600 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 T
Flange DN 80 PN 40 Form F, DIN 2501/Duplex (1.4462)	6 6		Flange 6" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 U
Flange DN 50 PN 40 Form B1, EN 1092-1/Duplex (1.4462)	6 7		Flange 2" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 V
Flange 1" 150 lb RF, ASME 16.5/Duplex (1.4462)	6 8		Flange 2" 1500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 W
Flange 1 1/2" 150 lb RF, ASME B16.5/Duplex (1.4462)	7 0				
Flange 2" 150 lb RF, ASME B16.5/Duplex (1.4462)	7 1				
Flange 2" 300 lb RF, ASME B16.5/Duplex (1.4462)	7 2				
Flange 2" 600 lb RF, ASME B16.5/Duplex (1.4462)	7 3				
Flange 3" 150 lb RF, ASME B16.5/Duplex (1.4462)	7 4				
Flange 3" 300 lb RF, ASME B16.5/Duplex (1.4462)	7 5				

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250 A guided wave radar sensor for continuous level and interface measurement of liquids.	7ML5881-		SITRANS LG250 A guided wave radar sensor for continuous level and interface measurement of liquids.	7ML5881-	
Electronics					
Two-wire 4 ... 20mA/HART	0		Stainless Steel (electropolished) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/Blind stopper	P	
Four-wire Modbus ³³⁾⁽³⁵⁾⁽³⁶⁾⁽⁴⁹⁾	1		Stainless Steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/Blind stopper	Q	
Two-wire 4 ... 20mA/HART with SIL qualification ²⁴⁾⁽³²⁾	2		Stainless Steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	R	
Four-wire 4 ... 20mA/HART; 90 ... 253 V AC; 50/60Hz ¹⁾⁽¹⁵⁾⁽¹⁷⁾⁽⁴⁹⁾	3		Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ Cable gland stainless steel	S	
Four-wire 4 ... 20mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC ¹⁾⁽¹⁵⁾⁽¹⁷⁾⁽⁴⁹⁾	4		Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland stainless steel	T	
PROFIBUS PA ⁴³⁾⁽⁴⁹⁾	5		Stainless Steel (precision casting) 316L/ IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland stainless steel	U	
FOUNDATION Fieldbus ⁴⁹⁾	6		Stainless Steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/Cable gland stainless steel	V	
Seal/Second line of defense/ Process temperature			Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/ Cable gland brass nickel-plated	W	
FKM (SHS FPM 70C3 GLT)/without glass seal/-40 ... +80 °C (-40 ... +176 °F) ⁶⁾	A		Aluminum single chamber/IP66/IP68 (0.2 bar) M20 x 1.5/Cable gland brass nickel-plated	X	
FKM (SHS FPM 70C3 GLT)/without glass seal/-40 ... +150 °C (-40 ... +302 °F)	B		Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/ Cable gland brass nickel-plated	Y	
FKM (SHS FPM 70C3 GLT)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	C		Stainless steel double chamber / IP66/ IP68 (0.2 bar) M20 x 1.5 / Cable gland brass nickel-plated	J	
EPDM (A+P 75.5/KW75F)/without glass seal/-40 ... +80 °C (-40 ... +176 °F)	D		Aluminum single chamber/IP66/IP68 (0.2 bar) with M20 x 1.5/Plug connector Harting HAN 7D (straight)	Z	Q1 A
EPDM (A+P 75.5/KW75F)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	E				
FFKM (Kalrez 6375)/with glass seal/-20 ... +200 °C (-4 ... +392 °F)	F				
EPDM (A+P 75.5/KW75F)/without glass seal/-40 ... +80 °C (-40 ... +176 °F) ⁶⁾	G				
EPDM (A+P 75.5/KW75F)/without glass seal/-40 ... +150 °C (-40 ... +302 °F)	H				
EPDM (A+P 75.5/KW75F)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	I				
Silicone FEP coated (A+P FEP-O-SEAL)/ without glass seal/-40 ... +80 °C (-40 ... +176 °F) ⁶⁾	K				
Silicone FEP coated (A+P FEP-O-SEAL)/ without glass seal/-40 ... +150 °C (-40 ... +302 °F)	L				
Silicone FEP coated (A+P FEP-O-SEAL)/with glass seal/-40 ... +150 °C (-40 ... +302 °F)	M				
With borosilicate glass lead through/ with glass seal/-60 ... +150 °C (-76 ... +302 °F)	N				
FFKM (Kalrez 6375)/without glass seal/-20 ... +200 °C (-4 ... +392 °F)	P				
FKM (SHS FPM 70C3 GLT)/with glass seal/-40 ... 80 °C (-40 ... +176 °F) ⁶⁾	Q				
Housing/Protection/Cable					
Plastic IP66/IP67 M20 x 1.5/blind stopper	A				
Plastic IP66/IP67 1/2" NPT/blind stopper	B				
Plastic 2-chamber/IP66/IP67/M20 x 1.5/blind stopper	G				
Plastic 2-chamber/IP66/IP67 /1/2" NPT/blind stopper	H				
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ Blind stopper	C				
Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	D				
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5 / Blind stopper	E				
Aluminum double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	F				
Stainless Steel (precision casting) 316L/ IP66/IP68 (0.2 bar) M20 x 1.5/Blind stopper	L				
Stainless Steel (precision casting) 316L/ IP66/IP68 (0.2 bar) 1/2" NPT/Blind stopper	M				
Stainless Steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/Blind stopper	N				
Lengths					
Rod ø 8 mm/316L					
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾	0				
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾	1				
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾	2				
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾	3				
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾	4				
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾	5				
Rod ø 8 mm/Duplex					
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾	9	R1 A			
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾	9	R1 B			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾	9	R1 C			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾	9	R1 D			
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾	9	R1 E			
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾	9	R1 F			
Rod ø 8 mm or ø 12 mm / C22					
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾	9	R1 J			
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾	9	R1 K			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾	9	R1 L			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾	9	R1 M			
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾	9	R1 N			
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾	9	R1 P			
Rod ø 12 mm/316L					
300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾	9	R2 A			
1 001 ... 2 000 mm (39.41 ... 196.85 inch) ²²⁾	9	R2 B			
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾	9	R2 C			
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾	9	R2 D			
Cable lengths ø 2 or 4 mm/316L					
501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R2 E			
1 000 ... 5 000 mm (39.37 ... 196.85 inch)	9	R2 F			
5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R2 G			
10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R2 H			

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG250 A guided wave radar sensor for continuous level and interface measurement of liquids.	7ML5881-		SITRANS LG250 A guided wave radar sensor for continuous level and interface measurement of liquids.	7ML5881-	
15 001 ... 20 000 mm (590.59 ... 787.40 inch)		9 R2 J	Coax ø 21.3 mm/316L		9 R3 A
20 001 ... 25 000 mm (787.44 ... 984.25 inch)		9 R2 K	300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		9 R3 B
25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)		9 R2 L	1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾		9 R3 C
30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)		9 R2 M	2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		9 R3 D
35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)		9 R2 N	3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾		9 R3 E
40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)		9 R2 P	4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾		9 R3 F
45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)		9 R2 Q	5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾		9 R5 A
50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)		9 R2 R	Coax ø 21.3 mm/C22		9 R5 B
55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)		9 R2 S	300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		9 R5 C
60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)		9 R2 T	1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾		9 R5 D
65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)		9 R2 U	2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		9 R5 E
70 001 ... 75 000 mm (2 759.94 ... 2 952.76 inch)		9 R2 V	3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾		9 R5 F
<u>Cable Lengths ø 2 mm or ø 4 mm/C22</u>			4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾		9 R3 G
501 ... 1 000 mm (19.72 ... 39.37 inch)		9 R4 A	5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾		9 R3 H
1 001 ... 5 000 mm (39.41 ... 196.85 inch)		9 R4 B	Coax ø 42.2 mm/C22		9 R3 J
5 001 ... 10 000 mm (196.89 ... 393.70 inch)		9 R4 C	300 ... 1 000 mm (11.81 ... 39.37 inch) ²²⁾		9 R3 K
10 001 ... 15 000 mm (393.74 ... 590.55 inch)		9 R4 D	1 001 ... 2 000 mm (39.41 ... 78.74 inch) ²²⁾		9 R5 G
15 001 ... 20 000 mm (590.59 ... 787.40 inch)		9 R4 E	2 001 ... 3 000 mm (78.78 ... 118.11 inch) ²²⁾		9 R5 H
20 001 ... 25 000 mm (787.44 ... 984.25 inch)		9 R4 F	3 001 ... 4 000 mm (118.15 ... 157.48 inch) ²²⁾		9 R5 J
25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)		9 R4 G	4 001 ... 5 000 mm (157.52 ... 196.85 inch) ²²⁾		9 R5 K
30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)		9 R4 H	5 001 ... 6 000 mm (196.89 ... 236.22 inch) ²²⁾		9 R5 L
35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)		9 R4 J			9 R5 M
40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)		9 R4 K			
45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)		9 R4 L			
50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)		9 R4 M			
55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)		9 R4 N			
60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)		9 R4 P			
65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)		9 R4 Q			
70 001 ... 75 000 mm (2 759.94 ... 2 952.76 inch)		9 R4 R			
			Selection and Ordering data		Order code
			<i>Further designs (mandatory)</i>		
			Please add "-Z" to Article No. and specify Order code(s).		
			Supplementary electronics		
			Without ¹³⁾	A00	
			Additional current output 4 ... 20 mA ¹³⁹⁾	A01	
			Dimensions centering weight (diameter/height)		
			Without	B00	
			ø 40/30 mm	B01	
			ø 45/30 mm (for 2 inch tubes)	B02	
			ø 75/30 mm (for 3 inch tubes)	B03	
			ø 95/30 mm (for 4 inch tubes)	B04	
			ø 40 mm/30 mm	B05	
			ø 1.57/1.18 inch (for 2 inch Schedule 160)		
			ø 45 mm/30 mm (for 2 inch tubes)	B06	
			ø 1.77/1.18 inch (for 2 inch Schedule 40/80)		
			ø 75 mm/30 mm (for 3 inch tubes)	B07	
			ø 2.95/1.18 inch (for 3 inch Schedule 10/40)		
			ø 95 mm/30 mm (for 4 inch tubes)	B08	
			ø 3.74/1.18 inch (for 4 inch Schedule 80)		
			Rod mounted		
			Without Rod, applicable for coax or cable probe types only	C00	
			Mounted	C01	
			Not mounted	C02	

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Order code	Selection and Ordering data	Article No.
Further designs (mandatory)		Additional Operating Instructions	
Please add "-Z" to Article No. and specify Order code(s).		German	
Local display interface		4 ... 20 mA/HART - Two-wire	PBD:51041010
Without ¹³⁾	E00	4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041011
Mounted	E01	4 ... 20 mA/HART - Two-wire, Coax probe with SIL qualification	PBD:51041377
Laterally mounted ¹⁾	E02	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041378
Language of display		4 ... 20 mA/HART - Four-wire	PBD:51041012
German	L00	4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041013
English	L01	Modbus	PBD:51041014
French	L02	Modbus - Coax probe	PBD:51041015
Dutch	L03	PROFIBUS PA	PBD:51041016
Italian	L04	PROFIBUS PA - Coax probe	PBD:51041017
Spanish	L05	FOUNDATION Fieldbus	PBD:51041018
Portuguese	L06	FOUNDATION Fieldbus - Coax probe	PBD:51041019
Russian	L07		
Chinese	L08		
Japanese	L09		
Operating instructions		Note: Operating instructions should be ordered as a separate line on the order.	
German	M00	This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
English	M01		
French	M02		
Spanish	M03		
Selection and Ordering data	Order code	English	
Further designs (optional)		4 ... 20 mA/HART - Two-wire	PBD:51041047
Please add "-Z" to Article No. and specify Order code(s).		4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041048
Enter the total insertion length in plain text description	Y01	4 ... 20 mA/HART - Two-wire, Coax probe with SIL qualification	PBD:51041387
Enter the total length of rigid part (cable version only) range from 100 ... 1 000 mm	Y02	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041388
Cleaning included certificate: oil, grease and silicone free	W01	4 ... 20 mA/HART - Four-wire	PBD:51041049
Identification Label (measurement loop) stainless steel	Y17	4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041050
Identification Label (measurement loop) Foil	Y18	Modbus	PBD:51041051
3.1-Inspection Certificate for instrument (EN 10204) ³⁰⁾	C12	Modbus - Coax probe	PBD:51041052
3.1-Inspection Certificate for material (EN 10204) NACE MR 0175 ³⁰⁾	D07	PROFIBUS PA	PBD:51041053
3.1-Inspection Certificate for instrument with test data (EN 10204) ³⁰⁾	C25	PROFIBUS PA - Coax probe	PBD:51041054
2.2-Factory certificate for material (EN 10204) ³⁰⁾	C15	FOUNDATION Fieldbus	PBD:51041055
Quality and test plan ³⁰⁾	C26	FOUNDATION Fieldbus - Coax probe	PBD:51041056
Dye penetration test + 3.1 certificate/instrument ³⁰⁾	C13		
X-ray test + 3.1 certificate/instrument ³⁰⁾	C14		
Positive material identification test + 3.1 certificate/instrument ³⁰⁾	C16		
Roughness test + 3.1 certificate/instrument ³⁰⁾	C18		
Pressure test + 3.1 certificate/instrument ³⁰⁾	C31		
Helium leak test + 3.1 certificate/instrument ³⁰⁾	C32		
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ³⁰⁾	C60		
Pressure test according to Norsok + 3.1 certificate/instrument ³⁰⁾	C61		
5 point calibration certificate + 3.1 certificate/instrument (min. length 1 000 mm) ^{30,41)}	C62		

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

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Selection and Ordering data	Article No.
French	
4 ... 20 mA/HART - Two-wire	PBD:51041121
4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041122
4 ... 20 mA/HART - Two-wire, Coax probe with SIL qualification	PBD:51041407
4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041408
4 ... 20 mA/HART - Four-wire	PBD:51041123
4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041124
Modbus	PBD:51041125
Modbus - Coax probe	PBD:51041126
PROFIBUS PA	PBD:51041127
PROFIBUS PA - Coax probe	PBD:51041128
FOUNDATION Fieldbus	PBD:51041129
FOUNDATION Fieldbus, Coax probe	PBD:51041130
Note: Operating instructions should be ordered as a separate line on the order.	
This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Spanish	
4 ... 20 mA/HART - Two-wire	PBD:51041084
4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041085
4 ... 20 mA/HART - Two-wire, Coax probe with SIL qualification	PBD:51041397
4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041398
4 ... 20 mA/HART - Four-wire	PBD:51041086
4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041087
Modbus	PBD:51041088
Modbus - Coax probe	PBD:51041089
PROFIBUS PA	PBD:51041090
PROFIBUS PA - Coax probe	PBD:51041091
FOUNDATION Fieldbus	PBD:51041092
FOUNDATION Fieldbus, Coax probe	PBD:51041093
Note: Operating instructions should be ordered as a separate line on the order.	
This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Accessories	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS LG, Mounting eye M12 x 20	PBD:51041448
SITRANS LG, Mounting spring	PBD:51041449
Siemens Intrinsically Safe Barrier (DC powered), ATEX II 1 G EEx ia	7NG4124-0AA00
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available with Housing/Protection cable options E, F, G, H, Q, R, and T (double chamber only)
- 2) Not available with Process fitting/Material options 04, 05, 08, 10, 13, and 14
- 3) Available only with Process Fitting/Material options 00 ... 10, 11, 12, 23 ... 34, and 37 ... 45 (Not available with threaded connections less than 1.5 inch and flanges < DN 50/2 inch)
- 4) Available with Seal option N only
- 5) Not available with Process fitting/Material options 00 ... 10, 11, 12, 23 ... 34 and 37 ... 45. (Not available with threaded connections less than 1.5 inch and flanges < DN 50/2 inch)
- 6) Available only with Process fitting/Material options 00 and 01 (options with max temp of 80 °C (176 °F) only available with PN 6 rated threaded connections)
- 7) Available with Version/Material option J only
- 8) Available only with the same diameter probe lengths
- 9) Available with Rod mounted option C00 only (Coax and cable version only)
- 10) Available with Rod mounted options C01, C02 only (rod versions only)
- 11) Available only with Centering weight option B00 (no centering weight option)
- 12) Available with Centering weight options B01 ... B08 only
- 13) Available only with Housing/Protection cable options E, F, G, H, Q, R, T (double chamber options only)
- 14) Available only with Housing/Protection cable options C, D, L, M
- 15) Available with Supplementary electronic option A00 and Local display interface options E00, E01
- 16) Available with Supplementary electronics A01, Intrinsically safe approval options (excluding FM) 0A, 0E, 0F, 0P, 1E, 1F, 2A, and 3A
- 17) Not Available with Approval options 0B ... 0H 0P, 0Q, and 1B (not available with Intrinsically Safe and shipping approvals)
- 19) Not available with Length options 3, 4, 5, R2C, and R2D
- 20) Available only with Seal options C, E, F, J, M, N and Q [second line of defense (with glass seal) for all explosion proof options]
- 21) Available with Local display interface options E00 and E01
- 22) Not available with Y02
- 23) Available with Housing/Protection options C, D, E, F, L, M, Q, R (dust approvals)
- 24) SIL electronics option 2 available with Approval options 0A, 0E, 0G, 0H, 0L, 0M, 0N, 0P, 0U, 0Q 0T, 1A, 1B, 1D, 1E, 1F, and 1H
- 25) Available with Process Fitting/Material options 04, 05, 08, 10, 13 ... 45
- 26) Not available with Process fitting /Material options 04, 05, 08, 10, 13, and 14
- 27) Not available with Process Fitting/Material options 00 and 01
- 28) Available with Housing/Protection/Cable options A, B, C, D, E, F, L, M, R, S, T, and U
- 29) Available with Electronic option 0 only
- 30) Listed Certificates are not available with all configurations, please contact factory for more information
- 31) Not available with Process fitting/Material options 02, 03, 06, 07, 11, and 12 or threaded options below PN 100
- 32) Available with supplementary electronic option A00, SIL electronics
- 33) Available with Approvals options 0A, 0J, 0K, 0R, 0S, 1A, 1C, 1E, and 1G
- 35) Available with supplementary electronic option A00
- 36) Available with Local display interface options E00, E01
- 37) Not available with version/material option K
- 38) Not available with Seal/Process temperature options A, G, K, and Q
- 39) Not available with Local display interface option E02
- 40) Available with Housing/protection options D, F, M, R (dust approvals)
- 41) Available with Version/Material A, B, C, D, E, and F
- 42) Only available with Seal/Process temperature N
- 43) Not available with Supplementary electronic option A01
- 44) Available with Housing/protection options W and Y
- 45) Available with Housing/protection options J and X
- 46) Available with Electronics options 0, 2, and 5
- 47) Available with Electronics options 0, 1, 3, 4
- 48) Available with Electronics options 0, 1, 2, 3, 4
- 49) Not available with Electric Options 1, 3, 4, 5, 6 and Housing/Protection/ Cable Option Q1A
- 50) Available with Housing/Protection/Cable options Q1A

Note: Please consult manual for further details.

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG260	7ML5882-		SITRANS LG260	7ML5882-	
A guided wave radar sensor for level measurement of solids.			A guided wave radar sensor for level measurement of solids.		
↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.					
Approvals					
Ordinary location CE ⁴⁾ (12)21)22)	0 A		INMETRO Ex d ia IIC T6 ... T1	3 C	
Shipping approval ⁽⁹⁾¹⁰⁾²¹⁾	0 B		INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Db + Ex d ia IIC T6 Ga/Gb	3 D	
Overflow protection (WHG; VLAREM) ⁽²⁶⁾	0 C		INMETRO Ex d IIC T6 ... T1 ²⁷⁾	3 E	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ⁴⁾⁽¹²⁾²¹⁾²²⁾²²⁾	0 D		INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Db + Ex d IIC T6 Ga/Gb ²⁷⁾	3 F	
ATEX II 1G, 1/2G, 2G Ex ia IIC + Overflow (WHG; VLAREM) ⁴⁾⁽¹²⁾²¹⁾²²⁾²⁶⁾	0 E		INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Db	3 G	
ATEX II 1G, 1/2G, 2G Ex ia IIC + Overflow (WHG; VLAREM) ⁴⁾⁽¹²⁾²¹⁾²²⁾²⁶⁾	0 F		KOSHA Ex d IIC T6 ... T1 – KE	4 A	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + shipping approval ⁽⁹⁾²¹⁾	0 G		Probe version/Material		
ATEX II 1G, 1/2G, 2G Ex ia IIC + II 1D, 1/2D, 1/3D, 2D IP66 ⁸⁾⁽¹⁰⁾¹²⁾²¹⁾²³⁾²⁴⁾	0 H		Probe exchangeable cable ø 4 mm (0.16 inch) with gravity weight/316 ²⁸⁾	A	
ATEX II 1/2G, 2G Ex d ia IIC T6 ¹⁾⁷⁾¹²⁾	0 J		Probe exchangeable cable ø 6 mm (0.24 inch) with gravity weight/316 ²⁾²⁸⁾	B	
ATEX II 1/2G, 2G Ex d ia IIC + shipping approval ⁽¹⁾⁷⁾⁹⁾¹⁰⁾	0 L		Probe exchangeable cable ø 6 mm (0.24 inch) with gravity weight/PA coated	C	
ATEX II 1/2G, 2G Ex d ia IIC + II 1D, 1/2D, 1/3D, 2D IP66 ⁷⁾⁽⁸⁾¹²⁾²⁴⁾	0 M		Probe exchangeable cable ø 11 mm (0.43 inch) with gravity weight/PA coated	D	
ATEX II 1/2G, 2G Ex d IIC T6 ⁸⁾⁽¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾	0 N		Probe exchangeable rod ø 16 mm (0.63 inch)/316L ²⁾⁶⁾²⁸⁾	E	
ATEX II 1/2G, 2G Ex d IIC + shipping approval ⁸⁾⁽⁹⁾¹⁰⁾¹¹⁾²¹⁾²⁵⁾²⁷⁾	0 Q		Process fitting/Material		
ATEX II 1/2G, 2G Ex d IIC + II 1D, 1/2D, 1/3D, 2D IP66 ⁸⁾⁽¹¹⁾¹²⁾²¹⁾²³⁾²⁵⁾²⁷⁾	0 R		Thread G 3/4" (DIN 3852-A) PN 40/316L	0 0	
ATEX II 1D, 1/2D, 2D IP6x T ⁸⁾⁽¹¹⁾¹²⁾²¹⁾²³⁾²⁴⁾²⁵⁾	0 S		Thread 3/4" NPT (ASME B1.20.1) PN 40/316L	0 1	
IEC Ex ia IIC T6 ⁴⁾⁽¹²⁾²¹⁾²²⁾	0 T		Thread G 1" (DIN 3852-A) PN 40/316L	0 2	
IEC Ex ia IIC T6 + IEC IP6x T ⁷⁾⁽⁸⁾¹²⁾²¹⁾²²⁾	0 U		Thread 1" NPT (ASME B1.20.1) PN 40/316L	0 3	
IEC Ex d ia IIC T6 ⁸⁾⁽¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾	1 A		Thread G 1 1/2" (DIN 3852-A) PN 40/316L	0 4	
IEC Ex d ia IIC T6 + IEC IP6x T ⁷⁾⁽⁸⁾¹²⁾²¹⁾²²⁾	1 B		Thread 1 1/2" NPT (ASME B1.20.1) PN 40/316L	0 5	
IEC Ex d IIC T6 ⁸⁾⁽¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾	1 C		Thread G 2" (DIN 3852-A) PN 40/316L	0 6	
IEC Ex d IIC T6 + IEC IP6x T ⁷⁾⁽⁸⁾¹²⁾²¹⁾²³⁾²⁵⁾²⁷⁾	1 D		Flange DN 50 PN 40 Form C, DIN 2501/316L	1 0	
FM (NI) Class I, Div. 2, Groups A, B, C, D ¹²⁾²¹⁾	1 F		Flange DN 80 PN 40 Form C, DIN 2501/316L	1 2	
FM (NI) Class I, Div. 2, Groups A, B, C, D + Ship approval ⁽⁹⁾¹⁰⁾²¹⁾	1 G		Flange DN 100 PN 16 Form C, DIN 2501/316L	1 3	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F ¹²⁾²¹⁾	1 H		Flange DN 100 PN 40 Form C, DIN 2501/316L	1 4	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F + shipping approval ⁽⁹⁾¹⁰⁾	1 J		Flange DN 150 PN 16 Form C, DIN 2501/316L	1 5	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾⁷⁾¹²⁾	1 K		Flange DN 50 PN 40 EN 1092-1 Form B1/316L	1 6	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + shipping approval ¹⁾⁷⁾⁹⁾¹⁰⁾	1 L		Flange DN 80 PN 40 EN 1092-1 Form B1/316L	1 7	
FM (XP) Class I, Div. 1, Groups A, B, C, D ⁸⁾⁽¹¹⁾¹²⁾²¹⁾²⁵⁾²⁷⁾	1 M		Flange DN 100 PN 16 EN 1092-1 Form B1/316L	1 8	
CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ⁴⁾⁽⁸⁾¹²⁾²¹⁾²²⁾²³⁾²⁴⁾	1 N		Flange 2" 150 lb RF, ANSI B16.5/316L	3 0	
CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁴⁾⁽¹²⁾²¹⁾²²⁾	1 P		Flange 2" 300 lb RF, ANSI B16.5/316L	3 2	
CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾⁷⁾¹²⁾	1 Q		Flange 3" 150 lb RF, ANSI B16.5/316L	3 3	
NEPSI Ex ia IIC T6 ⁴⁾	2 A		Flange 3" 300 lb RF, ANSI B16.5/316L	3 4	
NEPSI Ex ia IIC T6 + DIP A20/21 TA T*	2 B		Flange 4" 150 lb RF, ANSI B16.5/316L	3 5	
NERSI Ex d ia IIC T6	2 C		Flange 4" 300 lb RF, ANSI B16.5/316L	3 6	
NEPSI Ex d IIC T6 + DIP A20/21 TA T*	2 D		Flange 6" 150 lb RF, ANSI B16.5/316L	3 7	
NEPSI Ex d IIC T6 ²⁷⁾	2 E		Electronics		
NEPSI Ex d IIC T6 + DIP A20/21 TA T ²⁷⁾	2 F		Two-wire 4 ... 20 mA/HART	0	
NEPSI DIP A20/21 TA T*	2 G		Four-wire Modbus ¹⁶⁾⁽¹⁷⁾¹⁸⁾¹⁹⁾	1	
INMETRO Ex ia IIC T6 ... T10 ⁴⁾	3 A		Two-wire 4 ... 20 mA/HART with SIL qualification ¹⁴⁾⁽¹⁵⁾	2	
INMETRO Ex t IIIC T* IP6X, Da, Da/Db, Da/Db + Ex ia IIC T6, Ga, Ga/Gb	3 B		Four-wire 4 ... 20 mA/HART; 90 ... 253 V AC; 50/60 Hz ¹³⁾⁵⁾	3	
			Four-wire 4 ... 20 mA/HART; 9.6 ... 48 V DC; 20 ... 42 V AC ¹³⁾⁵⁾	4	
			PROFIBUS PA ²²⁾	5	
			FOUNDATION Fieldbus	6	
			Seal/Process temperature		
			FKM (SHS FPM 70C3 GLT)/-40 ... +80 °C (-40 ... +176 °F)	A	
			FKM (SHS FPM 70C3 GLT)/-40 ... +150 °C (-40 ... +302 °F)	B	
			FFKM (Kalrez 6375)/-20 ... +200 °C (-4 ... +392 °F)	C	

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data		Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG260		7ML5882-		SITRANS LG260	7ML5882-	
A guided wave radar sensor for level measurement of solids.				A guided wave radar sensor for level measurement of solids.		
EPDM (A+P 75.5/KW75F)/without/-40...+80 °C (-40 ... +176 °F)	D			Cable lengths ø 4 mm/316		
EPDM (A+P 75.5/KW75F)/without/-40 ... +150 °C (-40 ... +392 °F)	E			501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R 2 E
Housing/Protection/Cable	A			1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R 2 F
Plastic IP66/IP67 M20 x 1.5/blind stopper	B			5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R 2 G
Plastic IP66/IP67 1/2" NPT/blind stopper	C			10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R 2 H
Plastic 2-chamber/IP66/IP67/M20 x 1.5/blind stopper	D			15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R 2 J
Plastic 2-chamber/IP66/IP67/ 1/2" NPT/blind stopper	E			20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R 2 K
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	F			25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R 2 L
Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	G			30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R 2 M
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	H			35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R 2 N
Aluminum double chamber/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper	J			40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R 2 P
Stainless Steel (precision casting) 316L/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	K			45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R 2 Q
Stainless steel (precision casting) 316L/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	L			50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R 2 R
Stainless steel (electropolished) 316L/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	M			55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	9	R 2 S
Stainless steel (electropolished) 316L/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper	N			Cable lengths ø 6 mm/316L		
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper	P			500 mm (19.69 inch)	9	R 4 A
Stainless steel double chamber/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper	Q			501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R 4 B
Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel	R			1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R 4 C
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel	S			5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R 4 D
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel	T			10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R 4 E
Aluminum single chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated	W			15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R 4 F
Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated	X			20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R 4 G
Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated	Y			25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R 4 H
Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated	U			30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R 4 J
Lengths	Z			35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R 4 K
Rod ø 16 mm/316L	0			40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R 4 L
500 mm (19.69 inch)	1			45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R 4 M
501 ... 1 000 mm (19.72 ... 39.37 inch)	2			50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R 4 N
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	3			55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	9	R 4 P
2 001 ... 3 000 mm (78.78 ... 118.11 inch)	4			Cable lengths ø 6 mm or ø 11 mm/PA coated		
3 001 ... 4 000 mm (118.15 ... 157.48 inch)	5			501 ... 1 000 mm (19.72 ... 39.37 inch)	9	R 6 A
4 001 ... 5 000 mm (157.52 ... 196.85 inch)	6			1 001 ... 5 000 mm (39.41 ... 196.85 inch)	9	R 6 B
5 001 ... 6 000 mm (196.89 ... 216.53 inch)				5 001 ... 10 000 mm (196.89 ... 393.70 inch)	9	R 6 C
				10 001 ... 15 000 mm (393.74 ... 590.55 inch)	9	R 6 D
				15 001 ... 20 000 mm (590.59 ... 787.40 inch)	9	R 6 E
				20 001 ... 25 000 mm (787.44 ... 984.25 inch)	9	R 6 F
				25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	9	R 6 G
				30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	9	R 6 H
				35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	9	R 6 J
				40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	9	R 6 K
				45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	9	R 6 L
				50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	9	R 6 M
				55 001 ... 65 000 mm (2 165.39 ... 2 559 inch)	9	R 6 N

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Order code	Selection and Ordering data	Article No.
Further designs (mandatory)		Operating Instructions	
Please add "-Z" to Article No. and specify Order code(s).		German	PBD:51041020
Supplementary electronics		4 ... 20 mA/HART - Two-wire	PBD:51041379
Without	A00	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041021
Additional current output 4 ... 20 mA ¹⁾²⁰⁾	A01	4 ... 20 mA/HART - Four-wire	PBD:51041022
Rod mounted		Modbus	PBD:51041023
Without Rod, applicable for coax or cable probe types only	C00	PROFIBUS PA	PBD:51041024
Mounted	C01	FOUNDATION Fieldbus	
Not mounted	C02	Note: Operating instructions should be ordered as a separate line on the order.	
Local display interface		This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Without	E00	English	
Mounted	E01	4 ... 20 mA/HART - Two-wire	PBD:51041057
Laterally mounted ¹⁾	E02	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041389
Language of display		4 ... 20 mA/HART - Four-wire	PBD:51041058
German	L00	Modbus	PBD:51041059
English	L01	PROFIBUS PA	PBD:51041060
French	L02	FOUNDATION Fieldbus	PBD:51041061
Dutch	L03	Note: Operating instructions should be ordered as a separate line on the order.	
Italian	L04	This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Spanish	L05	French	
Portuguese	L06	4 ... 20 mA/HART - Two-wire	PBD:51041131
Russian	L07	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041409
Chinese	L08	4 ... 20 mA/HART - Four-wire	PBD:51041132
Japanese	L09	Modbus	PBD:51041133
Operating instructions		PROFIBUS PA	PBD:51041134
German	M00	FOUNDATION Fieldbus	PBD:51041135
English	M01	Note: Operating instructions should be ordered as a separate line on the order.	
French	M02	This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Spanish	M03	Spanish	
Selection and Ordering data	Order code	4 ... 20 mA/HART - Two-wire	PBD:51041094
Further designs (optional)		4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041399
Please add "-Z" to Article No. and specify Order code(s).		4 ... 20 mA/HART - Four-wire	PBD:51041095
Enter the total insertion length in plain text description	Y01	Modbus	PBD:51041096
Identification Label (measurement loop) stainless steel	Y17	PROFIBUS PA	PBD:51041097
Identification Label (measurement loop) Foil	Y18	FOUNDATION Fieldbus	PBD:51041098
3.1-Inspection Certificate for instrument (EN 10204) ¹³⁾	C12	Note: Operating instructions should be ordered as a separate line on the order.	
3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ¹³⁾	D07	This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
3.1-Inspection Certificate for instrument with test data (EN 10204) ¹³⁾	C25	Quality and test plan¹³⁾	
2.2-Factory certificate for material (EN 10204) ¹³⁾	C15	4 ... 20 mA/HART - Two-wire	PBD:51041094
Quality and test plan ¹³⁾	C26	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041399
Dye penetration test + 3.1 certificate/instrument ¹³⁾	C13	4 ... 20 mA/HART - Four-wire	PBD:51041095
X-ray test + 3.1 certificate/instrument ¹³⁾	C14	Modbus	PBD:51041096
Positive material identification test + 3.1 certificate/instrument ¹³⁾	C16	PROFIBUS PA	PBD:51041097
Roughness test + 3.1 certificate/instrument ¹³⁾	C18	FOUNDATION Fieldbus	PBD:51041098
Pressure test + 3.1 certificate/instrument ¹³⁾	C31	Note: Operating instructions should be ordered as a separate line on the order.	
Helium leak test + 3.1 certificate/instrument ¹³⁾	C32	This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ¹³⁾	C60	5 point calibration certificate¹³⁾	
Pressure test according to Norsok + 3.1 certificate/instrument ¹³⁾	C61	4 ... 20 mA/HART - Two-wire	PBD:51041094
5 point calibration certificate ¹³⁾	C62	4 ... 20 mA/HART - Two-wire, Rod and cable probe	PBD:51041399
(min. length 1 000 mm) ¹³⁾		4 ... 20 mA/HART - Four-wire	PBD:51041095
		Modbus	PBD:51041096
		PROFIBUS PA	PBD:51041097
		FOUNDATION Fieldbus	PBD:51041098

Selection and Ordering data	Article No.
Accessories	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS LG, Mounting eye M12 x 20	PBD:51041448
SITRANS LG, Mounting spring	PBD:51041449
Siemens Intrinsically Safe Barrier (DC powered), ATEX II 1 G EEx ia	7NG4124-0AA00
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

- 1) Available only with Housing/Protection/Cable Options C, D, G, H, N, P
- 2) Not available with Process/Fitting/Material options 00, 01, 02, and 03
- 3) Available with Supplementary electronic option A00 and Local display interface options E00, E01
- 4) Available with Supplementary electronics A01, Intrinsically safe approval options (excluding FM) 0A, 0E, 0F, 0T, 1N, 1P, 2A, and 3A
- 5) Not available with Approval options 0B ... 0H, 0L, 0Q, 1B, 1F, 1G, 1J, 1L (not available with Intrinsically Safe and shipping approvals)
- 6) Available with Rod Mounted options C01 and C02
- 7) Available with Local display interface options E00 and E01
- 8) Available with Housing Protection options C,D E, F, G, H, J, K, N, P
- 9) Not available with Housing/ Protection/ Cable options L, M, and T
- 10) Available with Electronic option 0 only
- 11) Available with Seal/ Process temperature option C only
- 12) Available with Version/ Material option E only
- 13) Listed Certificates are not available with all configurations, please contact factory for more information
- 14) SIL electronics option 2 available with Approval options 0A, 0E, 0G, 0H, 0N, 0Q, 0R, 0S, 0T, 0U, 1C, 1D, 1F, 1H, 1M, 1N, 1P, and 1R
- 15) Available with supplementary electronic option A00, SIL electronics
- 16) Available with Approvals options 0A, 0J, 0K, 0R, 0S, 1A, 1C, 1E, and 1G
- 17) Available with Housings/ Protection/ Cable options E, F, L, M, and P
- 18) Available with supplementary electronic option A00
- 19) Available with Local display interface options E00, E01
- 20) Not available with Local display interface option E02
- 21) Available with Housing Protection F, H, P, and K
- 22) Not available with Supplementary electronic option A01
- 23) Available with Housing/ protection options W and Y
- 24) Available with Housing/ protection options X and U
- 25) Available with Housing/ protection Cable option E, F, J, K, W, Y only
- 26) Available with Electronics options 0, 2, and 5
- 27) Available with Seal/ Process option C
- 28) Probe options A, B, and E cannot be paired with seal options A and D

Note: Please consult manual for further details.

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG270 A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications ↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7ML5883-		SITRANS LG270 A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications	7ML5883-	
Ordinary location CE ³⁾	0 A		INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Dc, Db + Ex d ia IIC T6 Ga/Gb	3 D	
Shipping approval ⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	0 B		INMETRO Ex d IIC T6 ... T1	3 E	
Overfill protection (WHG; VLAREM) ³⁴⁾	0 C		INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Db, Db + Ex d IIC T6 Ga/Gb	3 F	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 ³⁾	0 E		INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Db, Db	3 G	
ATEX II 1G, 1/2G, 2G Ex ia IIC + Overfill (WHG; VLAREM) ³⁾⁽³⁴⁾	0 F		KOSHA Ex d IIC T6 ... T1 – KE	4 A	
ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + shipping approval ⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	0 G		Probe exchangeable cable ø 2 mm (0.08 inch) with gravity weight/316L ⁴⁾⁽⁷⁾	A	
ATEX II 1G, 1/2G, 2G Ex ia IIC + ATEX II 1D, 1/2D, 2D IP6x ⁽¹⁶⁾⁽²⁸⁾³²⁾³³⁾	0 H		Probe exchangeable cable ø 2 mm (0.08 inch) center weight/316L ⁵⁾⁽⁷⁾	B	
ATEX II 1/2G, 2G Ex d ia IIC T6 ¹⁾⁽¹⁰⁾⁽¹⁴⁾³³⁾	0 J		Probe exchangeable cable ø 4 mm (0.16 inch) with gravity weight/316L ⁴⁾⁽⁷⁾	C	
ATEX II 1/2G, 2G Ex d ia IIC + shipping approval ⁽¹⁾⁽¹⁰⁾⁽¹⁴⁾⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	0 L		Probe exchangeable cable ø 4 mm (0.16 inch) with center weight/316L ⁵⁾⁽⁷⁾	D	
ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ⁽¹⁰⁾⁽¹⁴⁾⁽¹⁶⁾⁽²⁸⁾³³⁾	0 M		Probe exchangeable rod ø 16 mm (0.63 inch)/316L ⁴⁾⁽⁷⁾⁹⁾	E	
ATEX II 1/2G, 2G Ex d ia IIC T6 ¹¹⁾	0 N		Probe coax version ø 42.2 mm (1.66 inch) with multiple hole/316L ⁴⁾⁽⁷⁾	F	
ATEX II 1/2G, 2G Ex d ia IIC + ship approval ⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	0 Q		Probe coax version ø 42.2 mm (1.66 inch); multiple hole; reference distances/316L ⁴⁾⁽⁷⁾⁽¹³⁾³⁰⁾	G	
ATEX II 1/2G, 2G Ex d ia IIC + ATEX II 1/2D, 2D IP6x ⁽¹¹⁾⁽¹⁶⁾⁽²⁸⁾³²⁾	0 R		Probe exchangeable cable ø 4 mm (0.16 inch) with gravity weight/ Hastelloy C22 (2.4602) ⁷⁾	H	
ATEX II 1D, 1/2D, 2D IP6x T ⁽¹⁶⁾⁽²⁸⁾³²⁾³³⁾	0 S		Probe exchangeable rod ø 16 mm (0.63 inch)/ Hastelloy C22 (2.4602) ⁷⁾	J	
IEC Ex ia IIC T6 ³⁾	0 T		Coax version ø 42.2 mm (1.66 inch) with multiple hole/ Hastelloy C22 (2.4602) ⁷⁾	K	
IEC Ex ia IIC T6 + IEC IP6x T tD ⁽¹⁶⁾⁽²⁸⁾³²⁾³³⁾	0 U		Process fitting/Material		
IEC Ex d ia IIC T6 ¹⁾⁽¹⁰⁾⁽¹⁴⁾³³⁾	1 A		Thread G 1 1/2" (DIN 3852-A) PN 400/316L	0 0	
IEC Ex d ia IIC T6 + IEC IP6x T tD ⁽¹⁰⁾⁽¹⁴⁾⁽¹⁶⁾⁽²⁸⁾³³⁾	1 B		Thread 1 1/2" NPT (ASME B1.20.1) PN 400/316L	0 1	
IEC Ex d ia IIC T6 ¹¹⁾	1 C		Thread G1 1/2" PN 400, DIN 3852-A/ Hastelloy C22 (2.4602)	0 2	
IEC Ex d IIC T6 + IEC IP6x T tD ⁽¹¹⁾⁽¹⁶⁾⁽²⁸⁾³²⁾	1 D		Thread 1 1/2" NPT PN 400, ASME B1.20.1/ Hastelloy C22 (2.4602)	0 3	
FM (NI) Class I, Div. 2, Groups A, B, C, D	1 F		Flange DN 50 PN 40 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	0 4	
FM (NI) Class I, Div. 2, Groups A, B, C, D + ship approval ⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	1 G		Flange DN 80 PN 40 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	0 5	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F	1 H		Flange DN 100 PN 16 Form C, DIN 2501/ 316L with Hastelloy C22 (2.4602) coating	0 6	
FM (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + ship approval ⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	1 J		Flange DN 50 PN 40 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	0 7	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁰⁾¹⁴⁾	1 K		Flange DN 50 PN 63 Form B1, EN 1092-1/ 316L with Hastelloy C22 (2.4602) coating	0 8	
FM (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G + shipping approval ⁽¹⁾⁽¹⁰⁾⁽¹⁷⁾⁽¹⁸⁾¹⁹⁾	1 L		Flange DN 50 PN 40 Form C, DIN 2501/ 316L	1 0	
FM (XP) Class I, Div. 1, Groups A, B, C, D	1 M		Flange DN 50 PN 40 form V13, DIN 2513/ 316L	1 1	
CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ⁽³⁾⁽¹⁶⁾⁽³²⁾³³⁾	1 N		Flange DN 65 PN 64 Form V13, DIN 2501/ 316L	1 2	
CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ³⁾	1 P		Flange DN 80 PN 40 Form C, DIN 2501/ 316L	1 3	
CSA (XP-IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ⁽¹⁰⁾¹⁴⁾	1 Q		Flange DN 80 PN 40 Form V13, DIN 2501/ 316L	1 4	
CSA (XP) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹¹⁾	1 R		Flange DN 80 PN 100 Form L, DIN 2501/ 316L	1 5	
NEPSI Ex ia IIC T6 ³⁾	2 A		Flange DN 100 PN 16 Form C, DIN 2501/ 316L	1 6	
NEPSI Ex ia IIC T6 + DIP A20/21 TA T*	2 B		Flange DN 100 PN 16 Form V13, DIN 2501/ 316L	1 7	
NERSI Ex d ia IIC T6	2 C		Flange DN 100 PN 40 Form C, DIN 2501/ 316L	1 8	
NEPSI Ex d ia IIC T6 + DIP A20/21 TA T*	2 D		Flange DN 100 PN 40 Form V13, DIN 2513/ 316L	2 0	
NEPSI Ex d IIC T6	2 E		Flange DN 150 PN 16 Form C, DIN 2501/ 316L	2 1	
NEPSI Ex d IIC T6 + DIP A20/21 TA T*	2 F		Flange DN 50 PN 40 EN 1092-1 Form B1/ 316L	2 2	
NEPSI DIP A20/21 TA T*	2 G				
INMETRO Ex ia IIC T6 ... T1 ³⁾	3 A				
INMETRO Ex t IIC T* IP6X, Da, Da/Db, Da/Db + Ex d ia IIC T6, Ga, Ga/Gb	3 B				
INMETRO Ex d ia IIC T6 ... T1	3 C				

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

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Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG270		7ML5883-	SITRANS LG270		7ML5883-
A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications			A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications		
Flange DN 100 PN 160 GOST 12815-80.7/316L	2 3		Flange DN 100 PN 40 Form N, DIN 2501/Hastelloy C22 (2.4602) solid	7 3	
Flange 2" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 4		Flange DN 50 PN 40 Form B1, EN 1092-1/Hastelloy C22 (2.4602) solid	7 4	
Flange 2" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 5		Flange 2" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 5	
Flange 2" 600 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 6		Flange 2" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 6	
Flange 3" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 7		Flange 2" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 7	
Flange 3" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	2 8		Flange 2" 900 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	7 8	
Flange DN 80 PN 160 Form C, DIN 2501/316L	6 0		Flange 2" 1 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 0	
Flange DN 80 PN 250 Form L, DIN 2501/316L	6 1		Flange 3" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 1	
Flange DN 50 PN 160, EN 1092-1 Form B1/316L	6 2		Flange 3" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 2	
Flange DN 50 PN 160, EN 1092-1 Form B2/316L	6 3		Flange 3" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 3	
Flange DN 50 PN 320, EN 1092-1 Form B1/316L	6 4		Flange 4" 150 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 4	
Flange DN 65 PN 250, EN 1092-1 Form B1/316L	6 5		Flange 4" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	8 5	
Flange DN 100 PN 160, EN 1092-1 Form B2/316L	6 6		Flange 3" 600 lb RJF for R31, ASME B16.5/Hastelloy C22 (2.4602) solid	8 6	
Flange DN 80 PN 63, EN 1092-1 Form B2/316L	6 7		Flange 2" 2 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 A
Flange 4" 600 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	6 8		Flange 3" 1 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 B
Flange 2" 150 lb RF, ANSI B16.5/316L	3 0		Flange 3" 2 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 C
Flange 2" 300 lb RF, ANSI B16.5/316L	3 1		Flange 4" 600 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 D
Flange 2" 600 lb RF, ANSI B16.5/316L	3 2		Flange 4" 600 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 E
Flange 2" 1 500 lb RF, ANSI B16.5/316L	3 3		Flange 4" 900 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 F
Flange 3" 150 lb RF, ANSI B16.5/316L	3 4		Flange 4" 900 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 G
Flange 3" 300 lb RF, ANSI B16.5/316L	3 5		Flange 4" 1 500 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 H
Flange 3" 600 lb RF, ANSI B16.5/316L	3 6		Flange 4" 2 500 lb RJF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 J
Flange 3" 900 lb RF, ANSI B16.5/316L	3 7		Flange 8" 300 lb RF, ASME B16.5/Hastelloy C22 (2.4602) solid	9 0	L 1 K
Flange 3" 2 500 lb RF, ANSI B16.5/316L	3 8		Flange 3½" 600 lb Fisher type 249B and 259B/Hastelloy C22 (2.4602) solid	9 0	L 1 L
Flange 3 1/2" 600 lb RF, ANSI B16.5/316L	4 0		Flange 2½" 300 lb RF, SF, ASME B16.5/316/316L	9 0	L 2 A
Flange 4" 150 lb RF, ANSI B16.5/316L	4 1		Flange 2½" 600 lb RF, SF, ASME B16.5/316/316L	9 0	L 2 B
Flange 4" 300 lb RF, ANSI B16.5/316L	4 2				
Flange 4" 600 lb RF, ANSI B16.5/316L	4 3				
Flange 6" 150 lb RF, ANSI B16.5/316L	4 4				
Flange 6" 300 lb RF, ANSI B16.5/316L	4 5				
Flange 6" 600 lb RF, ANSI B16.5/316L	4 6				
Flange 2" 150 lb Fisher special return/316L	4 7				
Flange 3" 900 lb RJF, ASME B16.5/Hastelloy C22 (2.4602)	4 8				
Flange 2" 900 lb RF, ANSI B16.5/316L	5 0				
Flange 3" 1 500 lb RF, ANSI B16.5/316L	5 1				
Flange 4" 900 lb RF, ANSI B16.5/316L	5 2				
Flange 4" 1 500 lb RF, ANSI B16.5/316L	5 3				
Flange 4" 2 500 lb RJF, ANSI B16.5/316L	5 4				
Flange 4" 1500 lb RJF, ASME B16.5/316L	5 5				
Flange 3" 600 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 6				
Flange 4" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 7				
Flange 4" 300 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	5 8				
Flange 6" 150 lb RF, ASME B16.5/316L with Hastelloy C22 (2.4602) coating	7 0				
Flange DN 50 PN 40 Form C, DIN 2501/Hastelloy C22 (2.4602) solid	7 1				
Flange DN 100 PN 16 Form C, DIN 2501/C22 solid	7 2				

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Article No.	Order Code
SITRANS LG270 A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications	7ML5883-		SITRANS LG270 A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications	7ML5883-	
Seal/Second line of defense/ Process temperature Ceramic-graphite/with glass seal/ -196 ... +280 °C (-321 ... +536 °F) Ceramic-graphite/with glass seal/ -196 ... +450 °C (-321 ... +842 °F) Ceramic-graphite/ with glass seal/ -196 ... +400 °C (-321 ... +752 °F)			Lengths <u>Rod ø 16 mm/316L</u> 300 mm (11.81 inch) ¹⁵⁾ 0 500 mm (19.69 inch) ¹⁵⁾ 1 501 ... 1 000 mm (19.72 ... 39.37 inch) ¹⁵⁾ 2 1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾ 3 2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾ 4 3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾ 5 4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾ 6 5 001 ... 6 000 mm (196.89 ... 216.53 inch) ¹⁵⁾ 7 <u>Rod ø 16 mm/C22</u> 501 ... 1 000 mm (19.72 ... 39.37 inch) ¹⁵⁾ 9 R1 A 1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾ 9 R1 B 2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾ 9 R1 C 3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾ 9 R1 D 4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾ 9 R1 E 5 001 ... 6 000 mm (196.89 ... 216.53 inch) ¹⁵⁾ 9 R1 F <u>Cable lengths ø 2 or 4 mm/316L</u> 501 ... 1 000 mm (19.72 ... 39.37 inch) 9 R2 E 1 000 ... 5 000 mm (39.37 ... 196.85 inch) 9 R2 F 5 001 ... 10 000 mm (196.89 ... 393.70 inch) 9 R2 G 10 001 ... 15 000 mm (393.74 ... 590.55 inch) 9 R2 H 15 001 ... 20 000 mm (590.59 ... 787.40 inch) 9 R2 J 20 001 ... 25 000 mm (787.44 ... 984.25 inch) 9 R2 K 25 001 ... 30 000 mm (984.29 ... 1 181.10 inch) 9 R2 L 30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch) 9 R2 M 35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch) 9 R2 N 40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch) 9 R2 P 45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch) 9 R2 Q 50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch) 9 R2 R 55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch) 9 R2 S <u>Cable lengths ø 4 mm/ C22</u> 501 ... 1 000 mm (19.72 ... 39.37 inch) 9 R4 A 1 000 ... 5 000 mm (39.37 ... 196.85 inch) 9 R4 B 5 001 ... 10 000 mm (196.89 ... 393.70 inch) 9 R4 C 10 001 ... 15 000 mm (393.74 ... 590.55 inch) 9 R4 D 15 001 ... 20 000 mm (590.59 ... 787.40 inch) 9 R4 E 20 001 ... 25 000 mm (787.44 ... 984.25 inch) 9 R4 F 25 001 ... 30 000 mm (984.29 ... 1 181.10 inch) 9 R4 G 30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch) 9 R4 H 35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch) 9 R4 J 40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch) 9 R4 K 45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch) 9 R4 L		
Housing/Protection/Cable Plastic IP66/IP67 M20 x 1.5/blind stopper Plastic IP66/IP67 1/2" NPT/blind stopper Aluminum/IP66/IP68 (0.2 bar) M20 x 1.5/ blind stopper Aluminum/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper Aluminum double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/blind stopper Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) 1/2" NPT/blind stopper Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/blind stopper Stainless steel double chamber/IP66/IP68 (0.2 bar) 1/2" NPT/blind stopper Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland stainless steel Stainless steel (precision casting) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel Stainless steel (electropolished) 316L/IP66/ IP68 (0.2 bar) M20 x 1.5/cable gland stain- less steel Aluminum single chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated Aluminum double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated Stainless steel single chamber (precision casting)/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated Stainless steel double chamber/IP66/IP68 (0.2 bar) M20 x 1.5/cable gland brass nickel-plated					

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Order Code	Selection and Ordering data	Order code
SITRANS LG270 A guided wave radar sensor for continuous level and interface measurement of liquids in aggressive applications	7ML5883-		Further designs (mandatory) Please add "-Z" to Article No. and specify Order code(s).	
50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)		9 R 4 M	Supplementary electronics Without	A00
55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)		9 R 4 N	Additional current output 4 ... 20 mA ¹⁾²⁷⁾	A01
<u>Coax ø 42.2 mm/316L</u> 300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁵⁾		9 R 3 G		
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾³⁰⁾		9 R 3 H	Dimensions centering weight (diameter/height)	
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾		9 R 3 J	Without	B00
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾		9 R 3 K	ø 40/30 mm	B01
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾		9 R 3 L	ø 45/30 mm (for 2 inch tubes)	B02
5 001 ... 6 000 mm (196.89 ... 236.22 inch) ¹⁵⁾		9 R 3 M	ø 75/30 mm (for 3 inch tubes)	B03
<u>Coax ø 42.2 mm/ C22</u> 300 ... 1 000 mm (11.81 ... 39.37 inch) ¹⁵⁾		9 R 3 Q	ø 95/30 mm (for 4 inch tubes)	B04
1 001 ... 2 000 mm (39.41 ... 78.74 inch) ¹⁵⁾³⁰⁾		9 R 3 R	ø 40 mm/30 mm	B05
2 001 ... 3 000 mm (78.78 ... 118.11 inch) ¹⁵⁾		9 R 3 S	ø 1.57 inch/1.18 inch (for 2 inch Schedule 160)	
3 001 ... 4 000 mm (118.15 ... 157.48 inch) ¹⁵⁾		9 R 3 T	ø 45 mm/30 mm (for 2 inch tubes)	B06
4 001 ... 5 000 mm (157.52 ... 196.85 inch) ¹⁵⁾		9 R 3 U	ø 1.77 inch/1.18 inch (for 2 inch Schedule 40/80)	B07
5 001 ... 6 000 mm (196.89 ... 216.53 inch) ¹⁵⁾		9 R 3 V	ø 75 mm/30 mm (for 3 inch tubes)	
			ø 2.95 inch/1.18 inch (for 3 inch Schedule 10/40)	B08
			ø 95 mm/30 mm (for 4 inch tubes)	
			ø 3.74 inch/1.18 inch (for 4 inch Schedule 80)	
			Rod mounted Without Rod, applicable for coax or cable probe types only ⁸⁾	C00
			Mounted	C01
			Not mounted	C02
			Local display interface Without	E00
			Mounted	E01
			Laterally mounted ¹⁾	E02
			Language of display	
			German	L00
			English	L01
			French	L02
			Dutch	L03
			Italian	L04
			Spanish	L05
			Portuguese	L06
			Russian	L07
			Chinese	L08
			Japanese	L09
			Operating instructions	
			German	M00
			English	M01
			French	M02
			Spanish	M03

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Order code	Selection and Ordering data	Article No.
Further designs (optional)		Additional Operating Instructions	
Please add "-Z" to Article No. and specify Order code(s).		German	
Enter the total insertion length in plain text description	Y01	4 ... 20 mA/HART - Two-wire	PBD:51041025
Reference probe G length of reference distance = 260 mm/10.24 inches (note blanking 450 mm required with min. probe 1 000 mm)	Y05	4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041026
Reference probe G length of reference distance = 500 mm/19.69 inches (note blanking 690 mm required with min. probe 1 250 mm)	Y06	4 ... 20 mA/HART - Two-wire, Coax probe with SIL qualification	PBD:51041380
Reference probe G length of reference distance = 750 mm/29.53 inches (note blanking 940 mm required with min. probe 1 500 mm)	Y07	4 ... 20 mA/HART - Two-wire, Rod and cable probe with SIL qualification	PBD:51041381
Enter the total length of rigid part (cable version only) range from 100 ... 1 000 mm	Y02	4 ... 20 mA/HART - Four-wire	PBD:51041027
Cleaning included certificate: oil, grease and silicone free	W01	4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041028
Identification Label (measurement loop) stainless steel	Y17	Modbus	PBD:51041029
Identification Label (measurement loop) Foil	Y18	Modbus, Coax probe	PBD:51041030
3.1-Inspection Certificate for instrument (EN 10204) ²⁰⁾	C12	PROFIBUS PA	PBD:51041031
3.1-Inspection Certificate for material (EN 10204 NACE MR 0175) ²⁰⁾	D07	PROFIBUS PA, Coax probe	PBD:51041032
3.1-Inspection Certificate for instrument with test data (EN 10204) ²⁰⁾	C25	FOUNDATION Fieldbus	PBD:51041033
2.2-Factory certificate for material (EN 10204) ²⁰⁾	C15	FOUNDATION Fieldbus, Coax probe	PBD:51041034
Quality and test plan ²⁰⁾	C26	Note: Operating instructions should be ordered as a separate line on the order.	
Dye penetration test + 3.1 certificate/instrument ²⁰⁾	C13	This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
X-ray test + 3.1 certificate/instrument ²⁰⁾	C14		
Positive material identification test + 3.1 certificate/instrument ²⁰⁾	C16		
Roughness test + 3.1 certificate/instrument ²⁰⁾	C18		
Pressure test + 3.1 certificate/instrument ²⁰⁾	C31		
Helium leak test + 3.1 certificate/instrument ²⁰⁾	C32		
Ferrite measuring accuracy to DIN 32514-1 + 3.1 certificate/instrument ²⁰⁾	C60		
Pressure test according to Norsok + 3.1 certificate/instrument ²⁰⁾	C61		
5 point calibration certificate + 3.1 certificate/instrument (min. length 1 000 mm) ²⁰⁾²⁹⁾	C62		
Certificate : Approval for steam boiler according to EN 12952-11, EN 12953-9 ³⁵⁾	C70	Note: Operating instructions should be ordered as a separate line on the order.	
		This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

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Selection and Ordering data	Article No.
French	
4 ... 20 mA/HART - Two-wire	PBD:51041136
4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041137
4 ... 20 mA/HART - Two-wire Coax probe with SIL qualification	PBD:51041410
4 ... 20 mA/HART - Two-wire Rod and cable probe with SIL qualification	PBD:51041411
4 ... 20 mA/HART - Four-wire	PBD:51041138
4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041139
Modbus	PBD:51041140
Modbus, Coax probe	PBD:51041141
PROFIBUS PA	PBD:51041142
PROFIBUS PA, Coax probe	PBD:51041143
FOUNDATION Fieldbus	PBD:51041144
FOUNDATION Fieldbus, Coax probe	PBD:51041145
Note: Operating instructions should be ordered as a separate line on the order.	
This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Spanish	
4 ... 20 mA/HART - Two-wire	PBD:51041099
4 ... 20 mA/HART - Two-wire, Coax probe	PBD:51041100
4 ... 20 mA/HART - Two-wire, Coax probe with SIL qualification	PBD:51041400
4 ... 20 mA/HART - Two-wire, Rod and cable probe with SIL qualification	PBD:51041401
4 ... 20 mA/HART - Four-wire	PBD:51041101
4 ... 20 mA/HART - Four-wire, Coax probe	PBD:51041102
Modbus	PBD:51041103
Modbus, Coax probe	PBD:51041104
PROFIBUS PA	PBD:51041105
PROFIBUS PA, Coax probe	PBD:51041106
FOUNDATION Fieldbus	PBD:51041107
FOUNDATION Fieldbus, Coax Probe	PBD:51041108
Note: Operating instructions should be ordered as a separate line on the order.	
This device is shipped with the Siemens Level and Weighing manual DVD containing the operating instructions library.	
Accessories	
SITRANS LG, GWR sensor Display Module	A5E34143449
SITRANS LG, USB communicator	A5E35192015
SITRANS LG, Mounting eye M12 x 20	PBD:51041448
SITRANS LG, Mounting spring	PBD:51041449
Siemens Intrinsically Safe Barrier (DC powered), ATEX II 1 G EEx ia	7NG4124-0AA00
SITRANS RD100, loop powered display - see Chapter 7	7ML5741-...
SITRANS RD200, universal input display with Modbus conversion - see Chapter 7	7ML5740-...
SITRANS RD300, dual line display with totalizer and linearization curve and Modbus conversion - see Chapter 7	7ML5744-...
SITRANS RD500 web, universal remote monitoring solution for instrumentation - see Chapter 7	7ML5750-...
For applicable back up point level switch - see point level measurement section	

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Selection and Ordering data	Article No.
SITRANS LG Remote Interface	7ML5840-	SITRANS LG Replacement Probes	7ML5841-
↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	- 0	↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	- 0
Approval		Instrument	
For Ex-free area ¹⁾ ATEX II 1G, 2G, Ex ia IIC T6 Ga, Gb ¹⁾ ATEX II 2G, Ex d IIC T6 Gb IEC Ex ia IIC T6 Ga, Gb ¹⁾ IEC Ex d IIC T6 Gb CSA (NI) Class I, Div. 2, Groups A, B, C, D; (DIP) Class II, III, Div. 1, Groups E, F, G ¹⁾ CSA (IS) Class I, II, III, Div. 1, Groups A, B, C, D, E, F, G ¹⁾ CSA (XP) Class I, Div. 1, Groups A, B, C, D INMETRO Ex ia IIC T6 Ga, Gb ¹⁾ INMETRO Ex d IIC T6 Gb	0 A 0 C 0 E 0 F 0 G 0 H 0 J 0 K 0 L 0 M	LG240 ⁴⁾ LG250 ⁶⁾ LG260 ⁷⁾ LG270 ⁹⁾¹⁰⁾	0 1 2 3
Electronics	A	Probe Type	
Digital (I ² C communication)		Exchangeable cable ø 2 mm with gravity weight/316 ¹⁾¹¹⁾ Exchangeable cable ø 2 mm center weight/316 ²⁾¹¹⁾ Exchangeable cable ø 4 mm without weight/316 ¹⁾¹¹⁾ Exchangeable cable ø 4 mm with gravity weight/316 ¹⁾¹¹⁾ Exchangeable cable ø 4 mm with center weight/316 ²⁾¹¹⁾ Exchangeable cable ø 6 mm with gravity weight/316 ¹⁾⁸⁾¹¹⁾ Exchangeable rod ø 8 mm/316L ¹⁾ Exchangeable rod ø 8 mm/1.4435 (acc. to Basle Standard) ¹⁾ Exchangeable rod ø 12 mm/316L ¹⁾ Exchangeable rod ø 16 mm/316L ¹⁾	AA AC AD AE AG AH AP AQ AU AW
Housing	0 1	Process fitting	
Plastic ²⁾⁴⁾ Aluminum ³⁾⁵⁾		Thread to 1 1/2 inch Thread from 2 inch Flange less than DN 50 or 2 inch Flange greater or equal to DN 50 or 2 inch or hygienic fitting (not for safety in gold 25 x 46 mm)	0 1 2 3
Housing protection	0 1	Dimension centering weight	
IP66/IP67 NEMA 4X IP66/IP68 NEMA 6P (0.2 bar)		Without ø 40 mm/30 mm ø 45 mm/30 mm (for 2 inch tubes) ø 75 mm/30 mm (for 3 inch tubes) ø 95 mm/30 mm (for 4 inch tubes) ø 1.57 inch/1.18 inch (for 2 inch Schedule 160) ø 1.77 inch/1.18 inch (for 2 inch Schedule 40/80) ø 2.95 inch/1.18 inch (for 3 inch Schedule 10/40) ø 3.74 inch/1.18 inch (for 4 inch Schedule 80)	0 1 2 3 4 5 6 7 8
Cable entry	3 5	Certificates	
M20 x 1.5/ Blind plug 1/2" NPT/ Blind plug		Without 2.2 Material certificate 3.1 Material certificate	0 1 2
Display	A B	Lengths	
Without Mounted		Rod ø 8 mm 300 ... 1 000 mm (11.81 ... 39.37 inch) 1 001 ... 2 000 mm (39.41 ... 78.74 inch) 2 001 ... 3 000 mm (78.78 ... 118.11 inch) 3 001 ... 4 000 mm (118.15 ... 157.48 inch) 4 001 ... 5 000 mm (157.52 ... 196.85 inch) 5 001 ... 6 000 mm (196.89 ... 236.22 inch)	AA AB AC AD AE AF
Mounting	A B C D		
For wall mounting with Aluminum For carrier rail and wall mounting with plastic housing For carrier rail with Aluminum For tube mounting (29 ... 60 mm) including mounting material			
Certificates	0 1 2		
None 3.1 Certificate/Instrument with test data Quality and Test plan			

¹⁾ Available with Housing option 0 only

²⁾ Available with Housing Protection option 0 only

³⁾ Available with Housing Protection option 1 only

⁴⁾ Available with Mounting Option B only

⁵⁾ Available with Mounting Option A and C only

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Selection and Ordering data	Article No.	Selection and Ordering data	Article No.
SITRANS LG Replacement Probes	7ML5841-	SITRANS LG Replacement Probes	7ML5841-
<u>Rod ø 12 mm</u>		<u>Cable Lengths ø 6 mm/316</u>	
300 ... 1 000 mm (11.81 ... 39.37 inch)	AG	501 ... 1 000 mm (19.72 ... 39.37 inch)	BM
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	AH	1 001 ... 5 000 mm (39.41 ... 196.85 inch)	BN
2 001 ... 3 000 mm (78.78 ... 118.11 inch)	AJ	5 000 ... 10 000 mm (196.89 ... 393.70 inch)	BP
3 001 ... 4 000 mm (118.15 ... 157.48 inch)	AK	10 001 ... 15 000 mm (393.74 ... 590.55 inch)	BQ
4 001 ... 5 000 mm (157.52 ... 196.85 inch)	AL	15 001 ... 20 000 mm (590.59 ... 787.40 inch)	BR
5 001 ... 6 000 mm (196.89 ... 236.22 inch)	AM	20 001 ... 25 000 mm (787.44 ... 984.25 inch)	BS
<u>Rod ø 16 mm</u>		25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	BT
300 ... 1 000 mm (11.81 ... 39.37 inch)	AN	30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	BU
1 001 ... 2 000 mm (39.41 ... 78.74 inch)	AP	35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	BV
2 001 ... 3 000 mm (78.78 ... 118.11 inch)	AQ	40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	BW
3 001 ... 4 000 mm (118.15 ... 157.48 inch)	AR	45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	BX
4 001 ... 5 000 mm (157.52 ... 196.85 inch)	AS	50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	BY
5 001 ... 6 000 mm (196.89 ... 236.22 inch)	AT	55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	CA
<u>Cable Lengths ø 2 mm and 4 mm/316</u>		60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)	CB
501 ... 1 000 mm (19.72 ... 39.37 inch)	AU	65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)	CC
1 001 ... 5 000 mm (39.41 ... 196.85 inch)	AV	70 001 ... 75 000 mm (2 755.94 ... 2 952.76 inch)	CD
5 000 ... 10 000 mm (196.89 ... 393.70 inch)	AW		
10 001 ... 15 000 mm (393.74 ... 590.55 inch)	AX		
15 001 ... 20 000 mm (590.59 ... 787.40 inch)	AY		
20 001 ... 25 000 mm (787.44 ... 984.25 inch)	BA		
25 001 ... 30 000 mm (984.29 ... 1 181.10 inch)	BB		
30 001 ... 35 000 mm (1 181.14 ... 1 377.95 inch)	BC		
35 001 ... 40 000 mm (1 377.99 ... 1 574.80 inch)	BD		
40 001 ... 45 000 mm (1 574.84 ... 1 771.65 inch)	BE		
45 001 ... 50 000 mm (1 771.69 ... 1 968.50 inch)	BF		
50 001 ... 55 000 mm (1 968.54 ... 2 165.35 inch)	BG		
55 001 ... 60 000 mm (2 165.39 ... 2 362.20 inch)	BH		
60 001 ... 65 000 mm (2 362.24 ... 2 559.06 inch)	BJ		
65 001 ... 70 000 mm (2 559.09 ... 2 755.91 inch)	BK		
70 001 ... 75 000 mm (2 755.94 ... 2 952.76 inch)	BL		

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Article No. and specify Order code(s).	

Enter the total insertion length in plain text description

Y01**Y02**

Total length: Enter the total length of rigid part (range 100 ... 1 000 mm LG270 limited to 100 mm) (cable versions only)

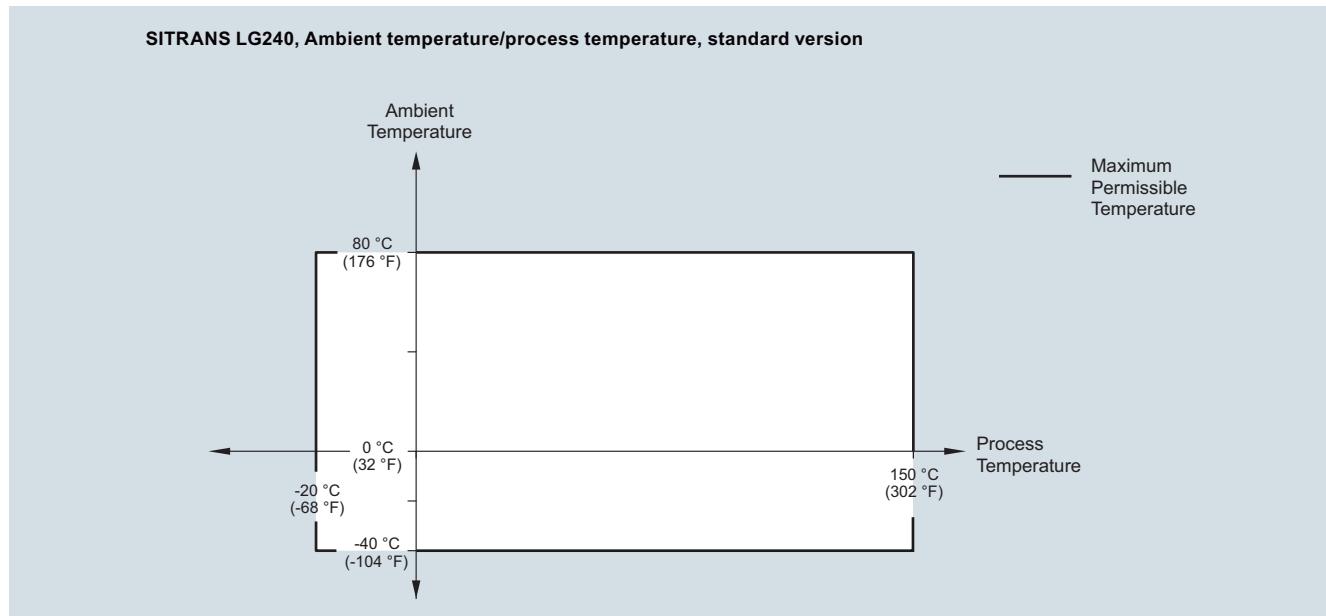
- 1) Available with Dimension centering weight: Without Option 0
- 2) Available with Dimension centering weight: Option 1 ... 8
- 3) All Probe types are only available with corresponding Probe lengths
- 4) Available with Probe type Option AQ
- 5) Available with Process fitting option 2 and 3
- 6) Not available with Probe type option AQ and AW
- 7) Available with Probe type option AE, AH, and AW
- 8) Not available with Process fitting option 2
- 9) Available with Probe type option AA, AC, AE, AG, and AW
- 10) Available with Process fitting 0 and 3
- 11) Not available with certificate option 1 and 2

Level Measurement

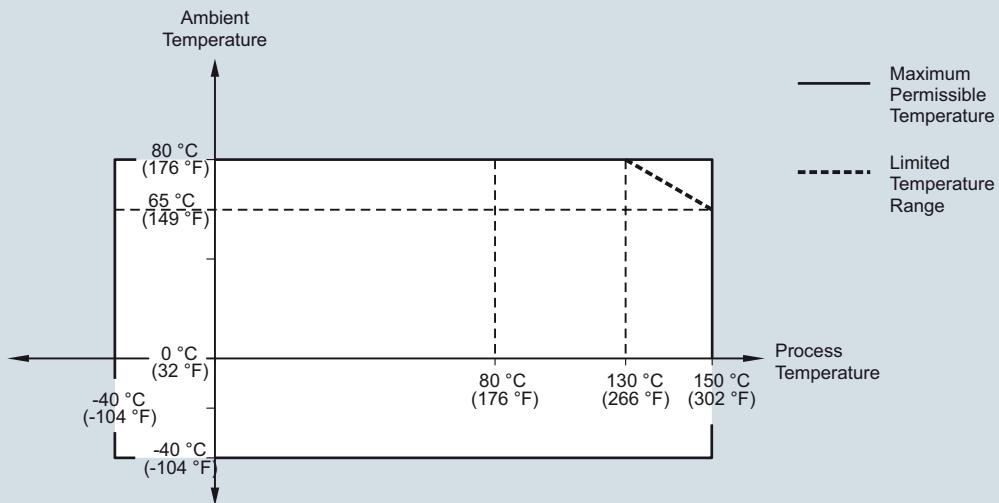
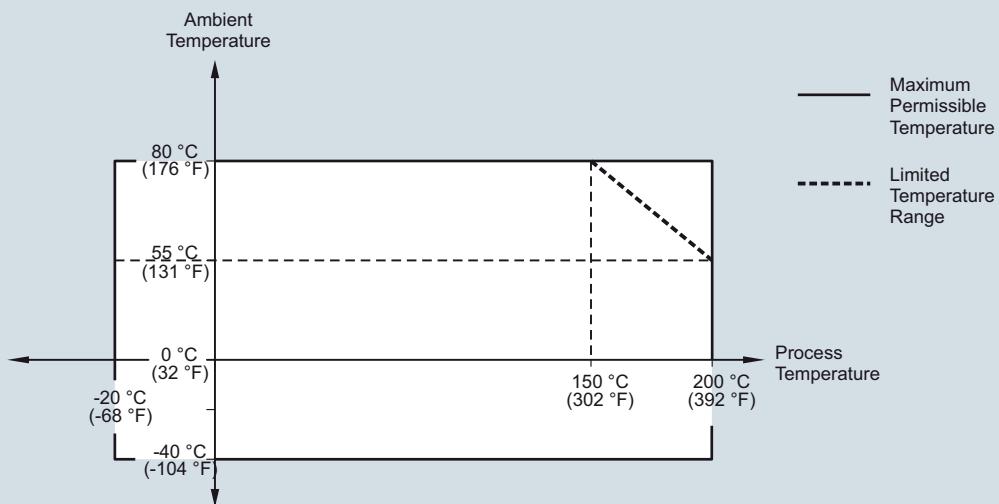
Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

Characteristic curves



SITRANS LG240, Ambient temperature/process temperature curve

SITRANS LG250, Ambient temperature/process temperature, standard version**SITRANS LG250, Ambient temperature/process temperature, temperature adapter version**

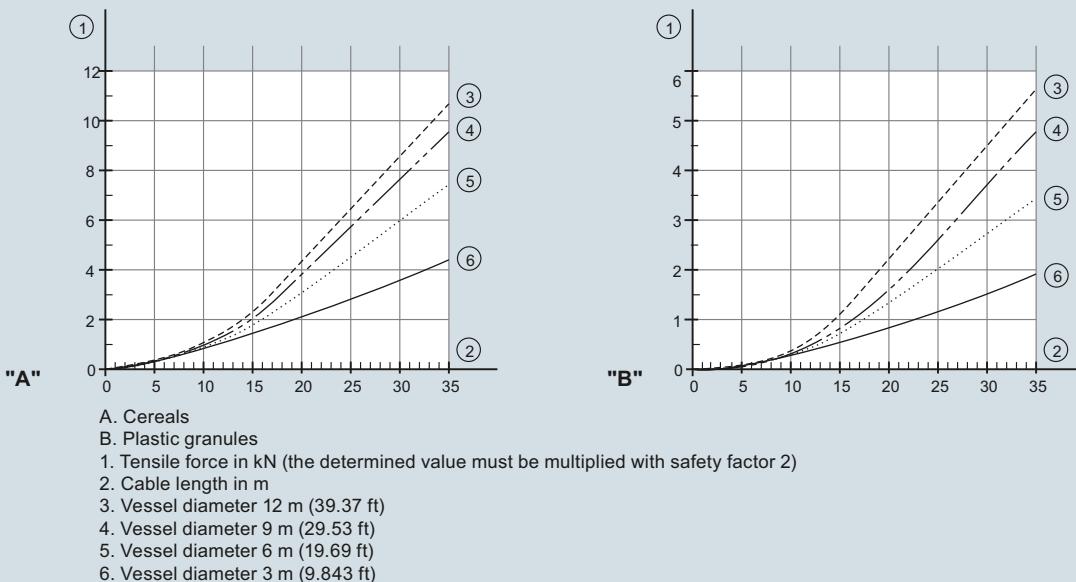
SITRANS LG250, Ambient temperature/process temperature curves

Level Measurement

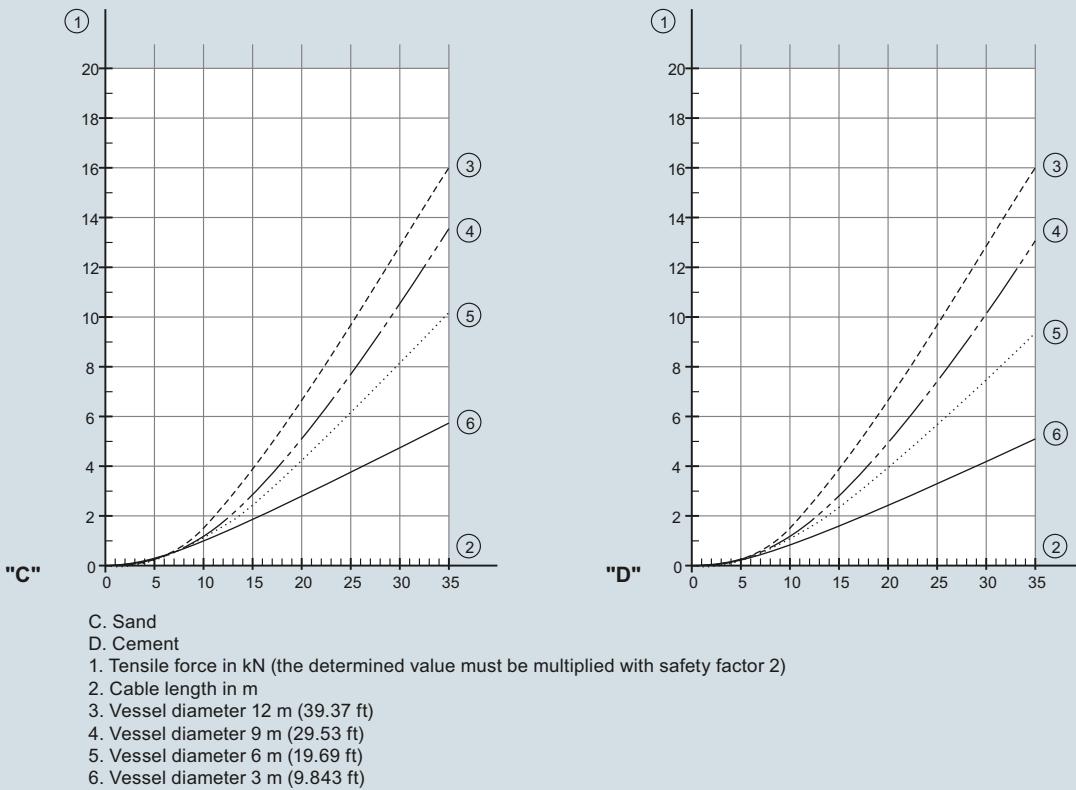
Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

SITRANS LG260, Maximum tensile load with cereals and plastic granules - cable: ø 4 mm (0.157 inch)

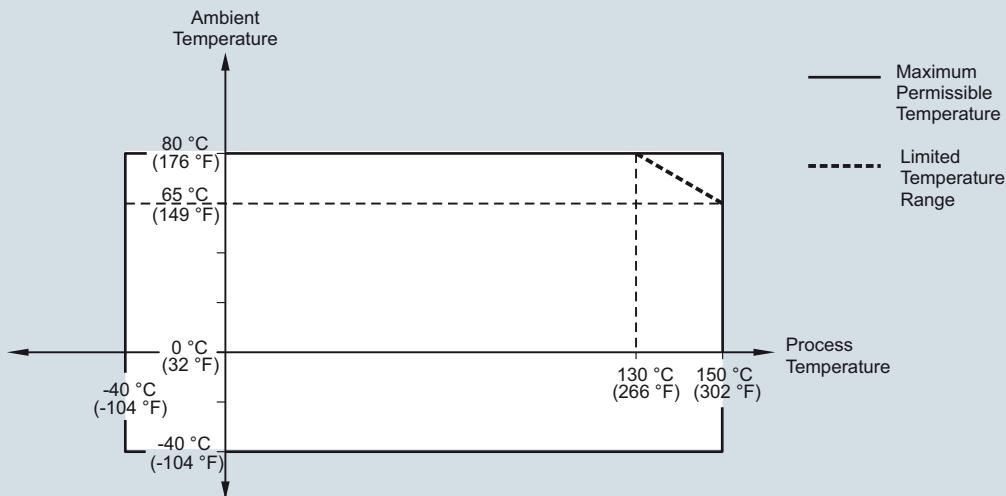


SITRANS LG260, Maximum tensile load with sand and cement - cable: ø 4 mm (0.157 inch)

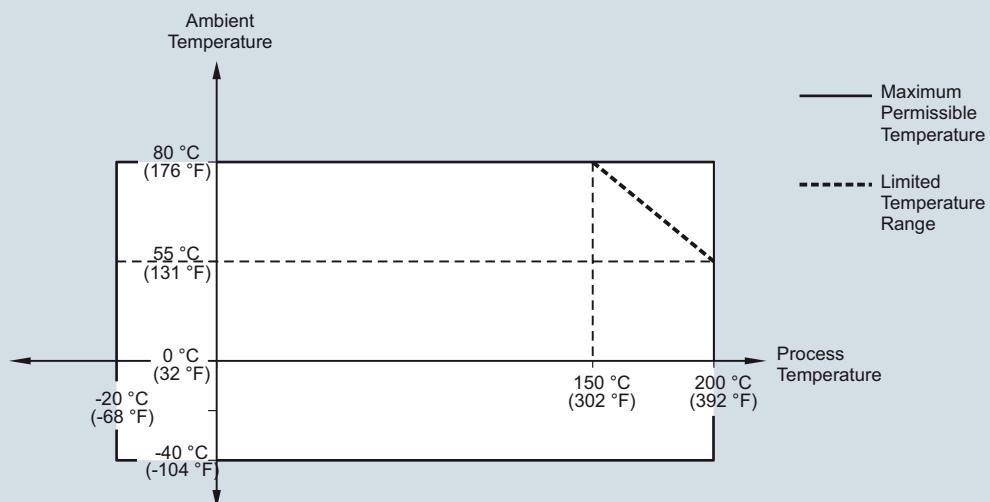


SITRANS LG260, Maximum tensile load curves

SITRANS LG260, Ambient temperature/process temperature, standard version
 Cable version with ø 4 mm (0.157 inch)
 Cable version, PA coated with ø 6 mm (0.236 inch)



SITRANS LG260, Ambient temperature/process temperature, temperature adapter version
 Cable version with ø 4 mm (0.157 inch)
 Cable version, PA coated with ø 6 mm (0.236 inch)



SITRANS LG260, Ambient temperature/process temperature curves

Level Measurement

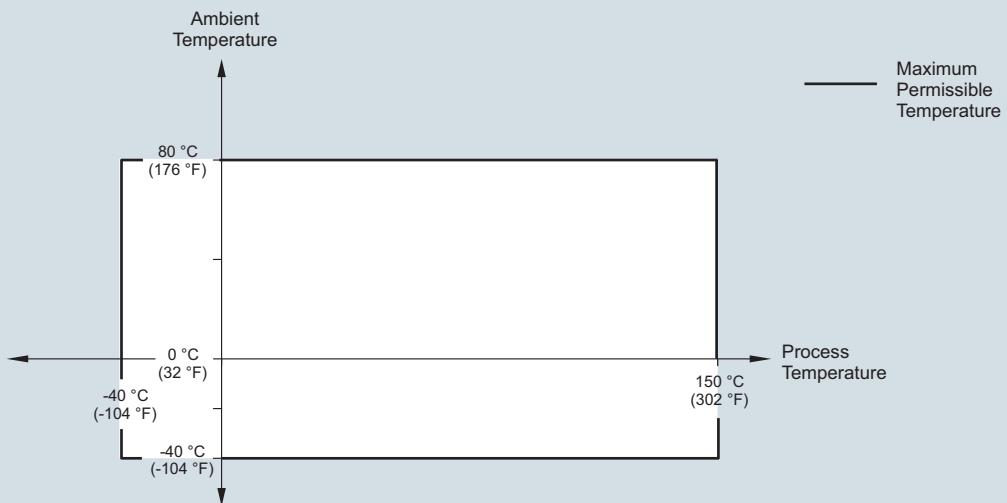
Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

SITRANS LG260, Ambient temperature/process temperature, standard version

Cable version with ø 6 mm (0.236 inch)

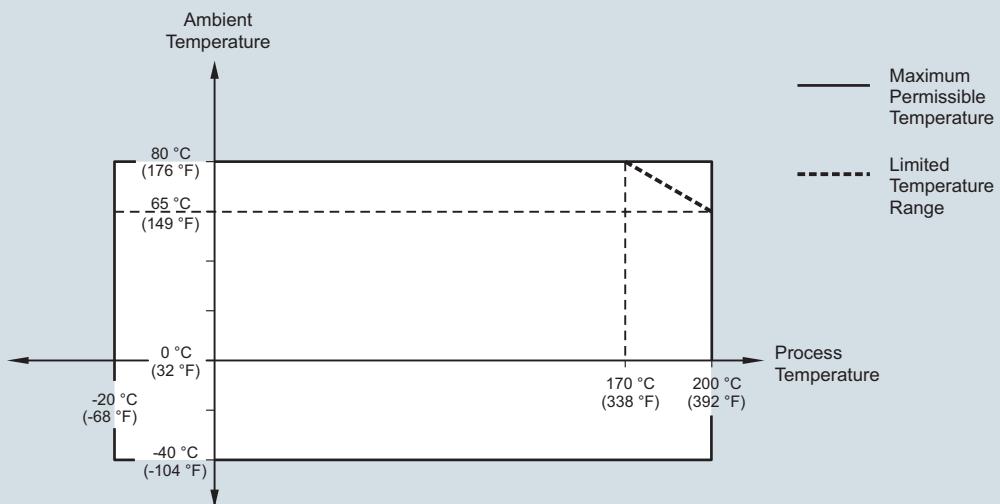
Cable version, PA coated with ø 11 mm (0.433 inch)



SITRANS LG260, Ambient temperature/process temperature, temperature adapter version

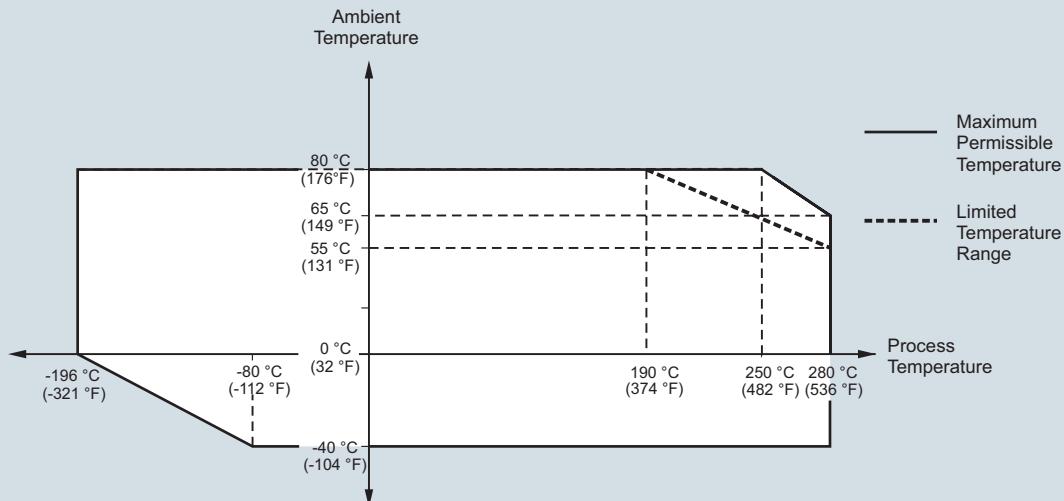
Cable version with ø 6 mm (0.236 inch)

Cable version, PA coated with ø 11 mm (0.433 inch)

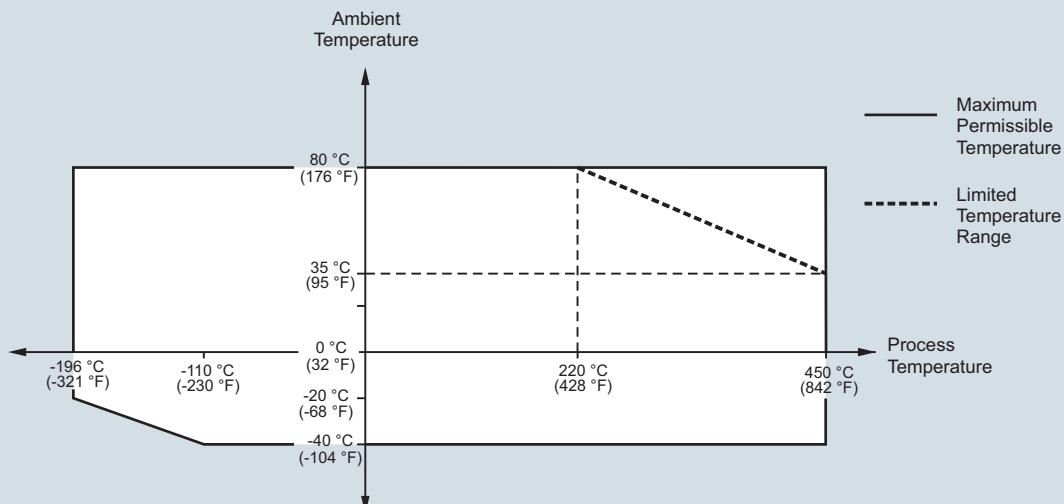


SITRANS LG260, Ambient temperature/process temperature curves

SITRANS LG270, Ambient temperature/process temperature (-196 ... +280 °C/-321 ... +536 °F version)



SITRANS LG270, Ambient temperature/process temperature (-196 ... +450 °C/-321 ... +842 °F version)

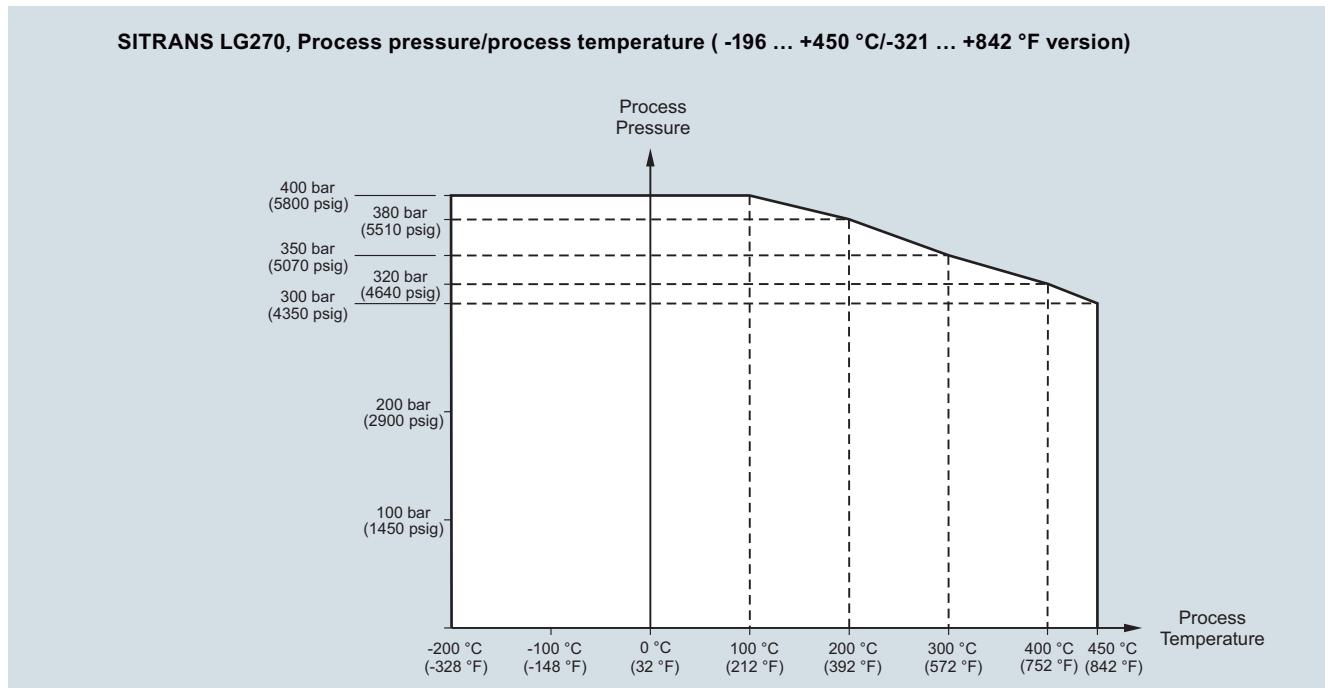


SITRANS LG270, Ambient temperature/process temperature curves

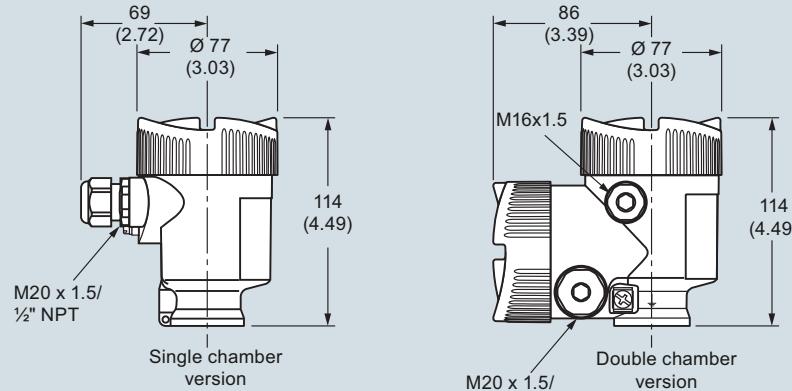
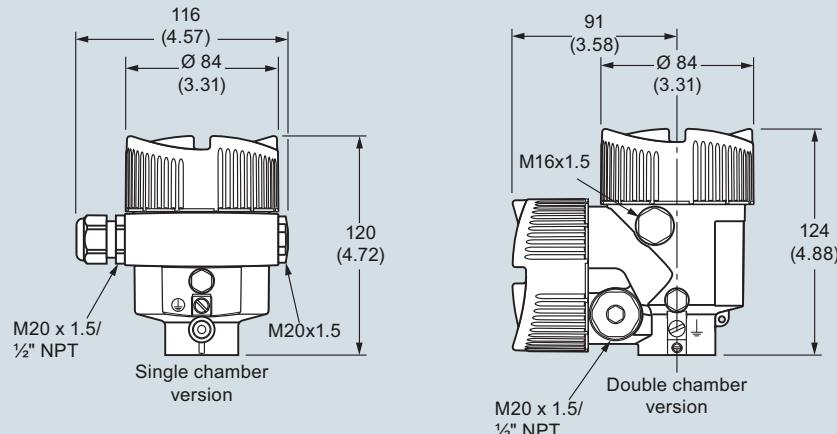
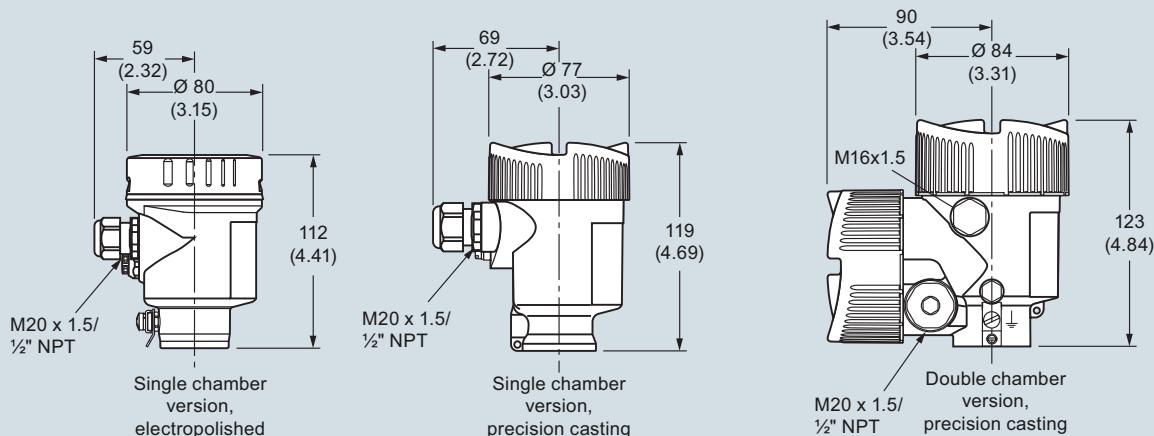
Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series



SITRANS LG270, Process pressure/process temperature curve

Dimensional drawings**SITRANS LG Series plastic housing****SITRANS LG Series aluminum housing****SITRANS LG Series stainless steel housing**

Note: For integrated display and adjustment module the housing is 9 (0.35) higher for all housing options

SITRANS LG series, dimensions in mm (inch)

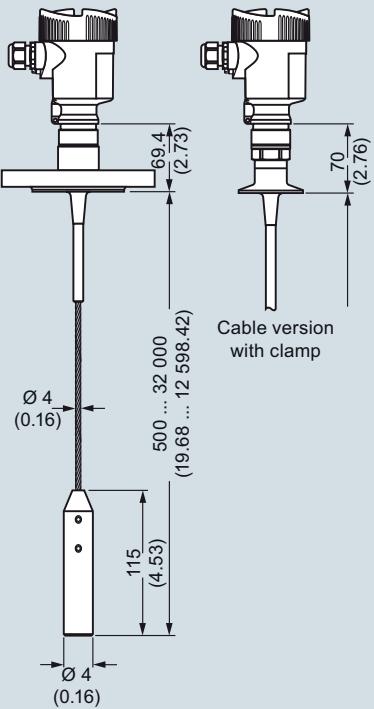
Level Measurement

Continuous level measurement - Guided wave radar transmitters

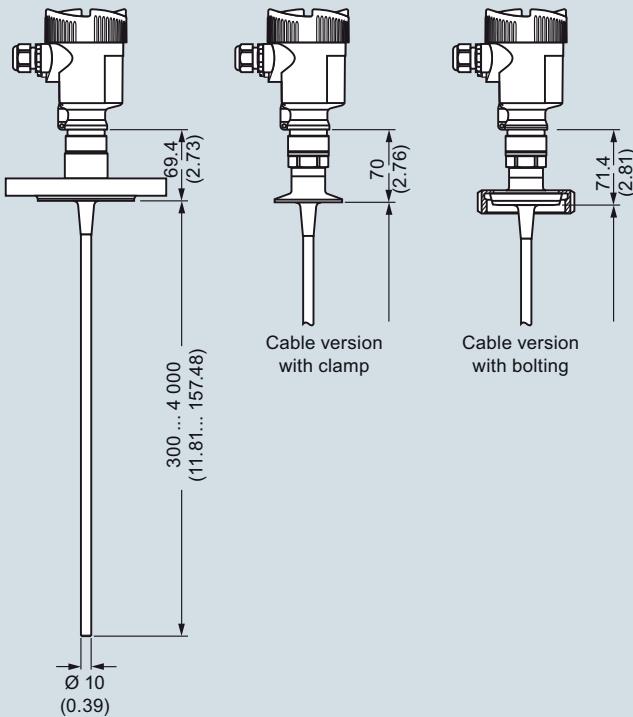
SITRANS LG series

SITRANS LG240

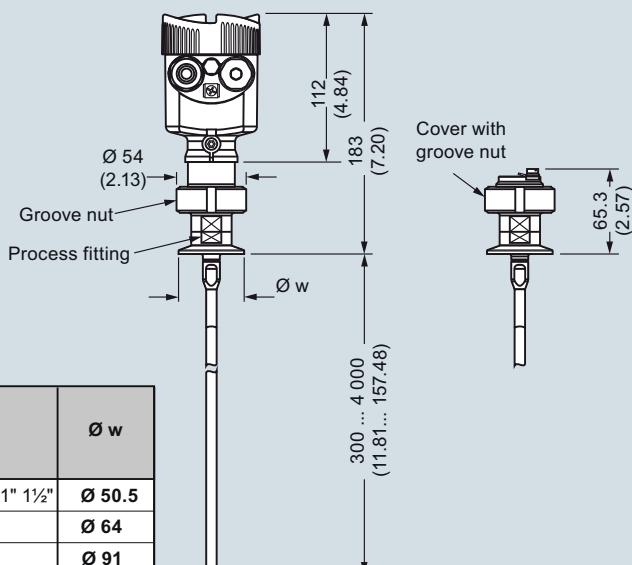
Cable version Ø 4 (0.157), PFA coated



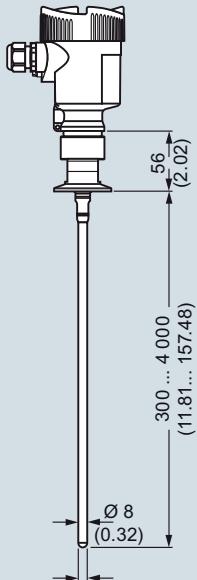
Rod version Ø 10 (0.394), PFA coated



Autoclaved version



Rod version Ø 8 (0.315), polished

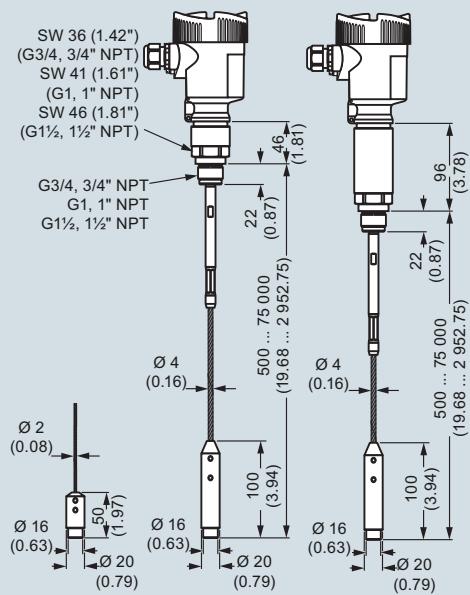
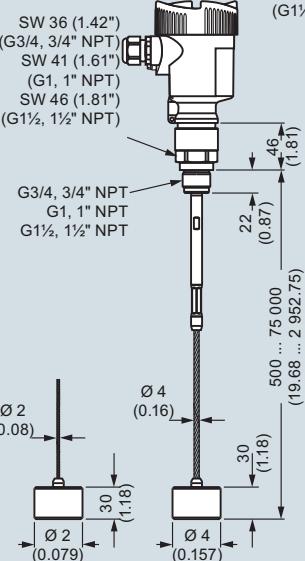
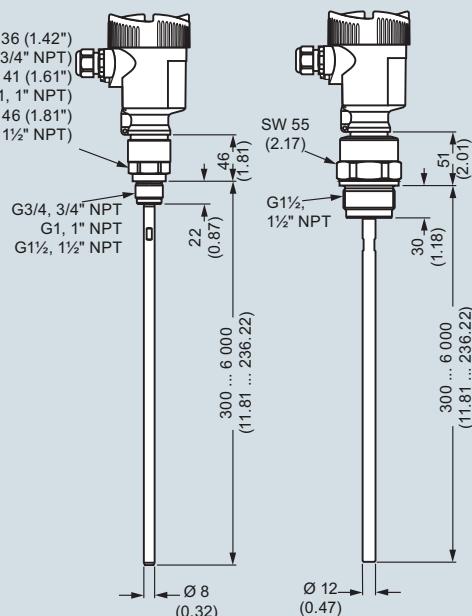


	Ø w
DIN DN 25 DN 32 DN 40/ 1" 1½"	Ø 50.5
DIN DN 50/ 2"	Ø 64
DIN DN 65/ 3"	Ø 91

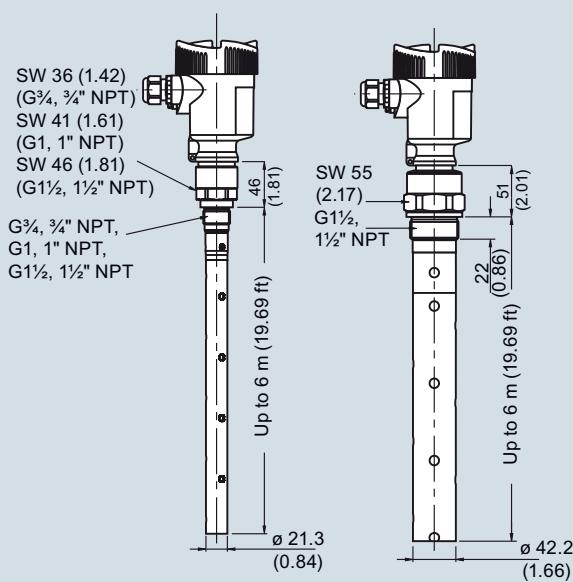
SITRANS LG240, dimensions in mm (inch)

Level Measurement

Continuous level measurement - Guided wave radar transmitters

SITRANS LG series**SITRANS LG250****Cable version with gravity weight****Cable version with centering weight****Rod version**

SITRANS LG250, dimensions in mm (inch)

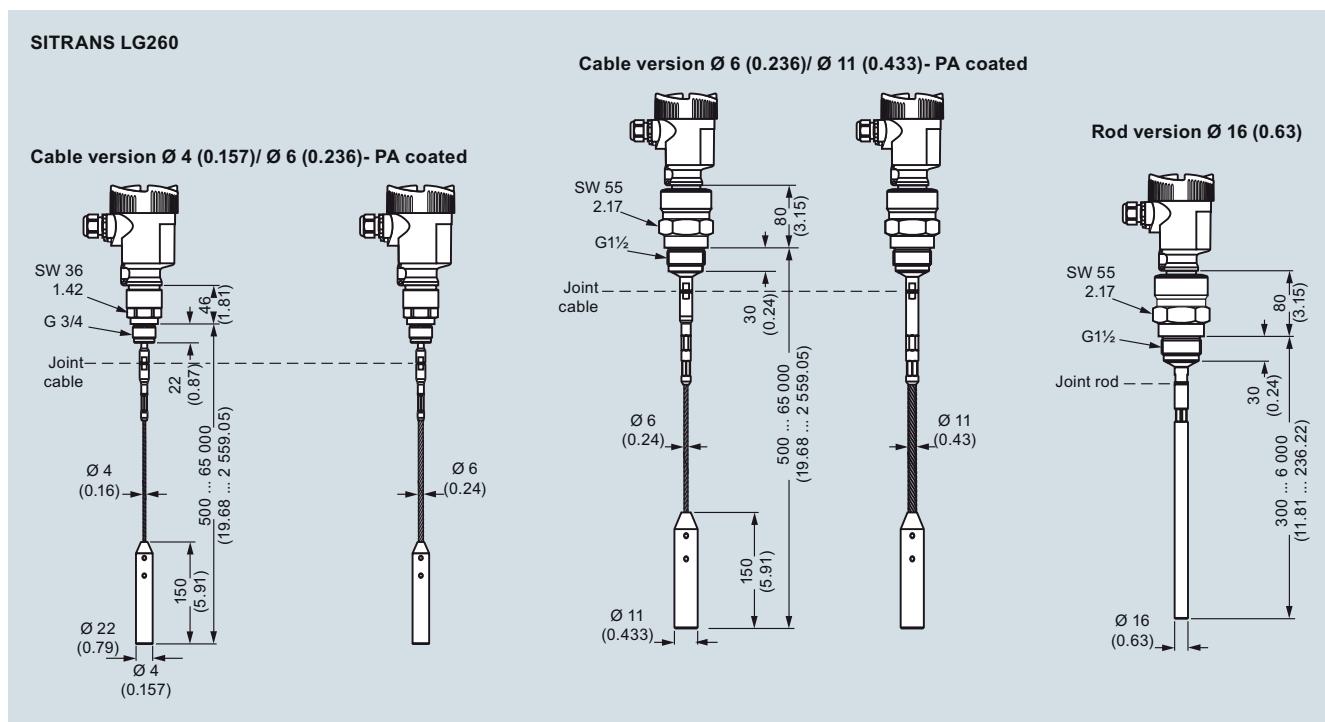
SITRANS LG250, coax version**Coaxial version
ø 21.3 (0.839)****Coaxial version
ø 42.2 (1.661)**

SITRANS LG250, dimensions in mm (inch)

Level Measurement

Continuous level measurement - Guided wave radar transmitters

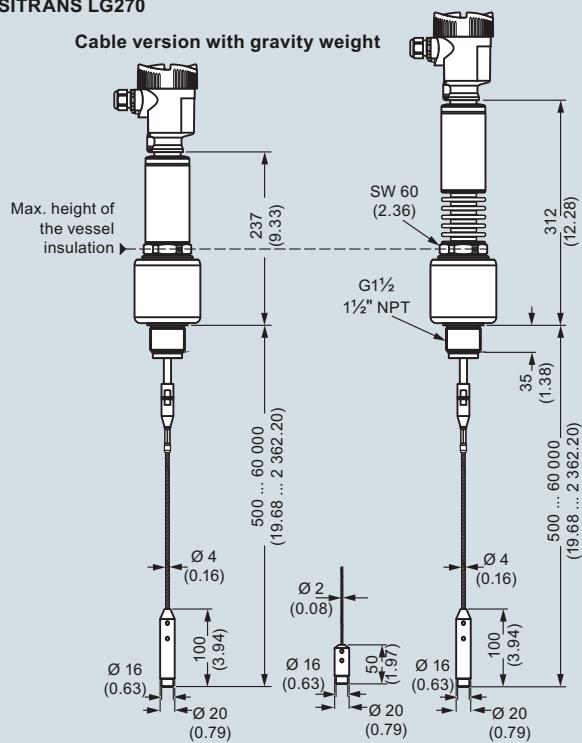
SITRANS LG series



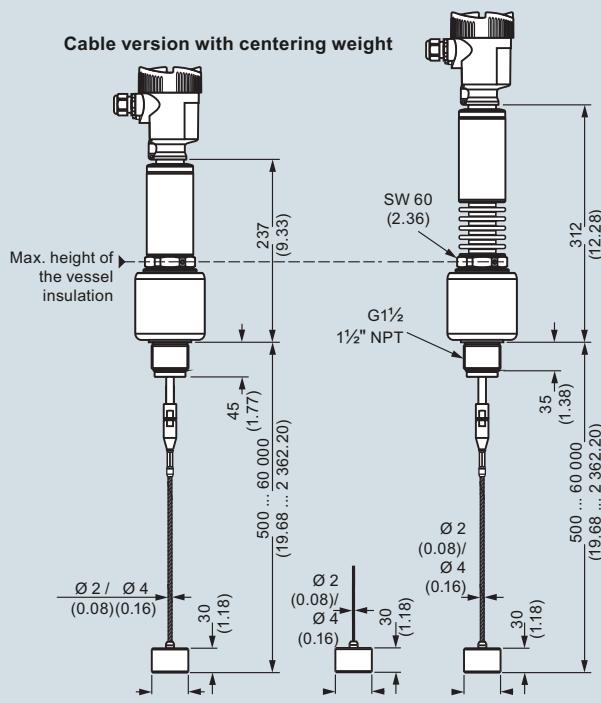
SITRANS LG260, dimensions in mm (inch)

SITRANS LG270

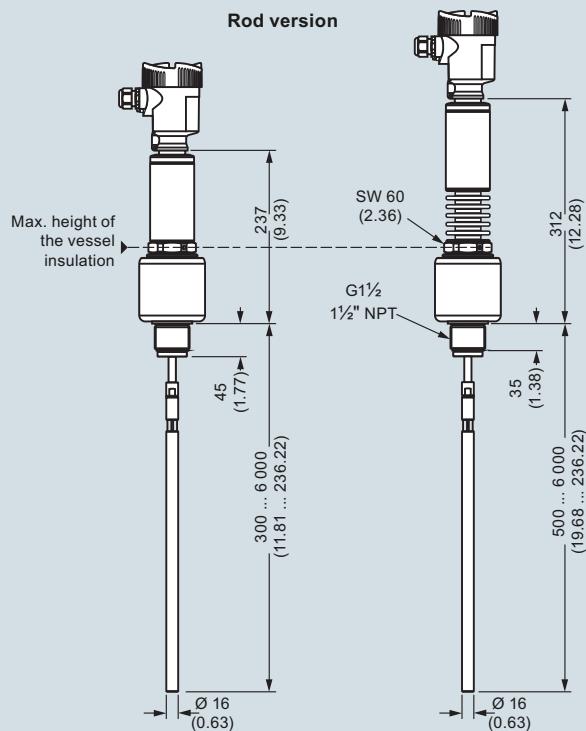
Cable version with gravity weight



Cable version with centering weight



Rod version

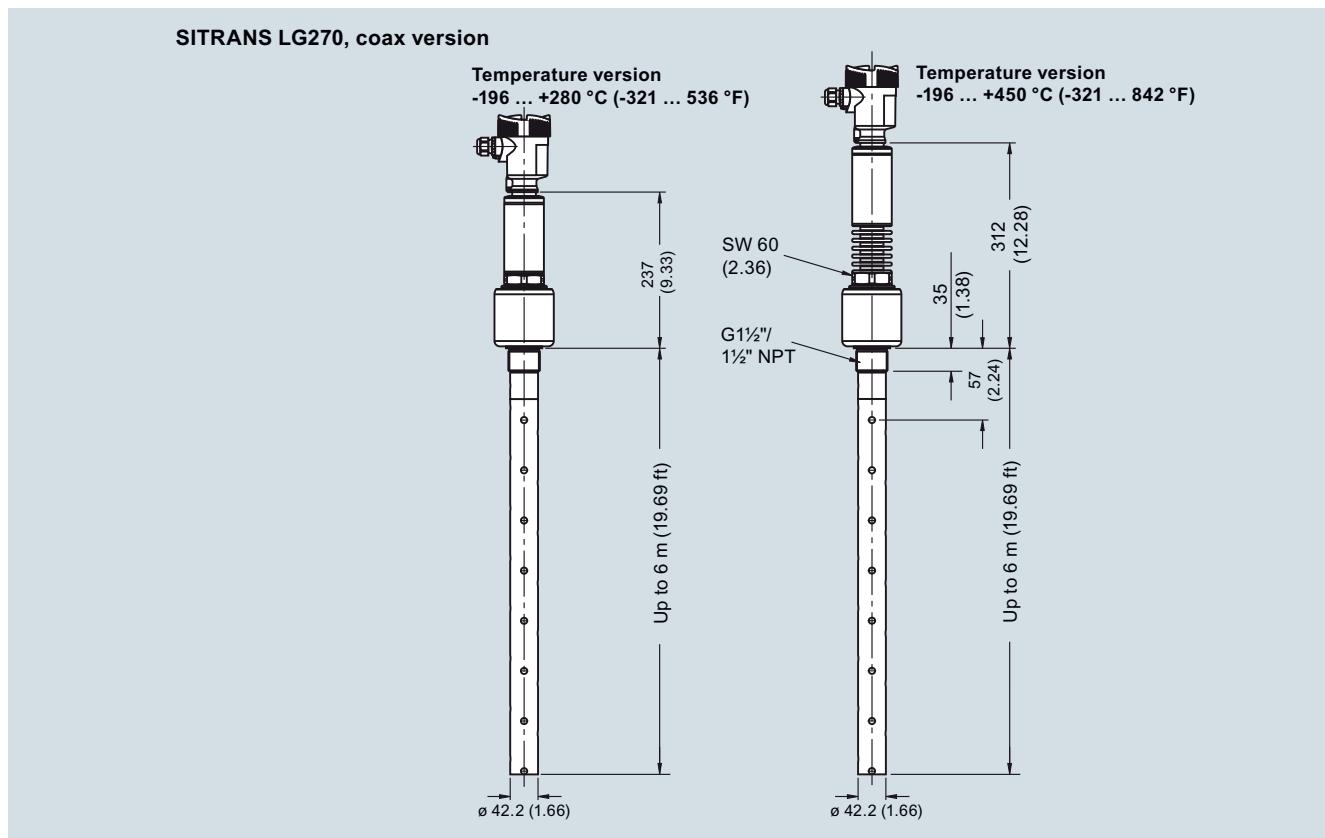


SITRANS LG270, dimensions in mm (inch)

Level Measurement

Continuous level measurement - Guided wave radar transmitters

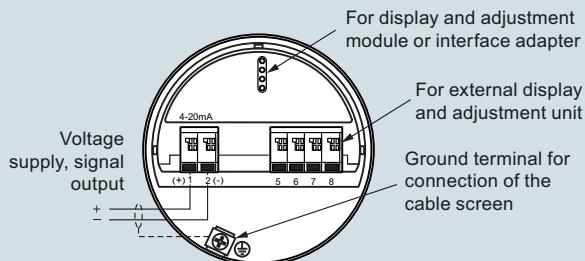
SITRANS LG series



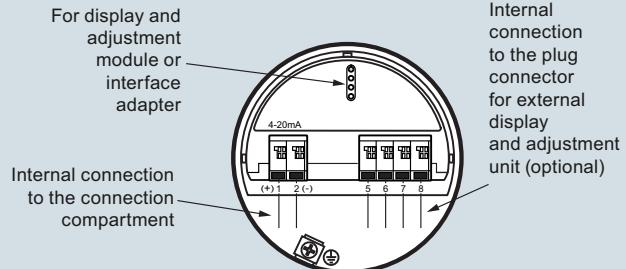
SITRANS LG270, dimensions in mm (inch)

Schematics

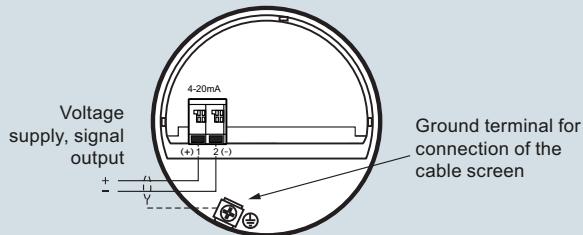
2-wire HART electronic option, electronics and connection compartment, single chamber housing



2-wire HART electronic option, electronics compartment, double chamber housing



2-wire HART electronic option, connection compartment, Ex-dia double chamber housing

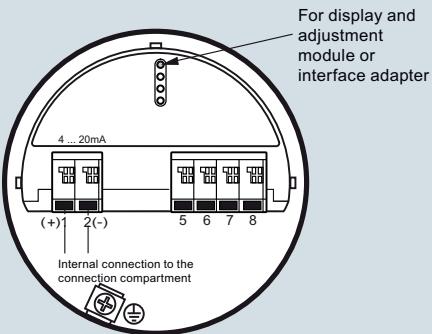


Note: All 2-wire HART connections and electronics are also available with SIL qualification.

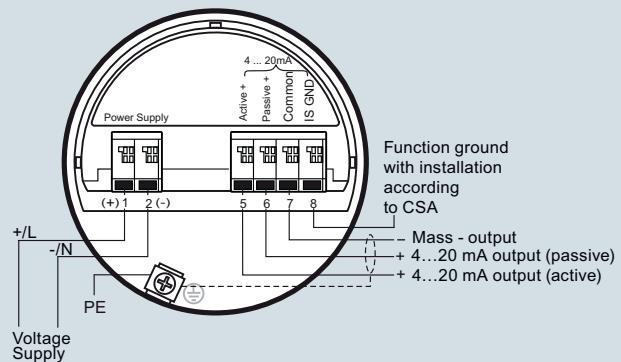
4

SITRANS LG series connections

4-wire HART electronic option, electronics compartment, double chamber housing



4-wire electronic option, connection compartment with double chamber housing with mains voltage

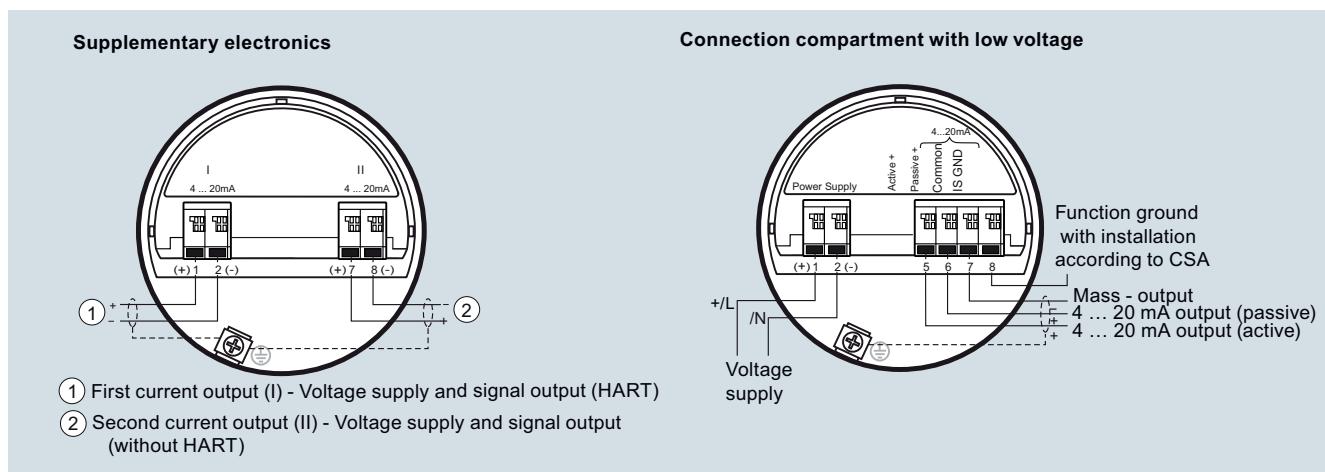


SITRANS LG series connections

Level Measurement

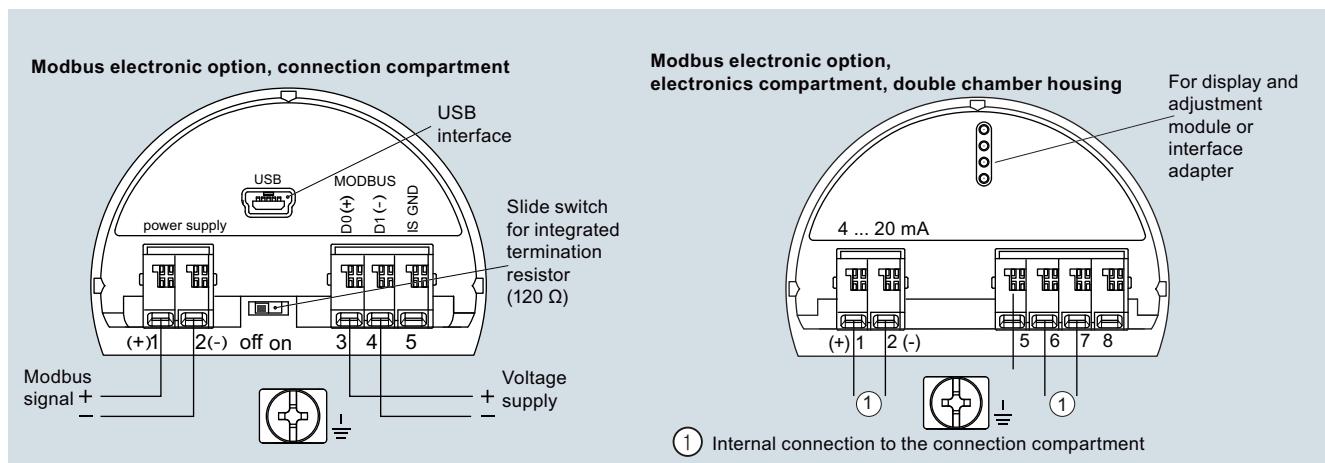
Continuous level measurement - Guided wave radar transmitters

SITRANS LG series

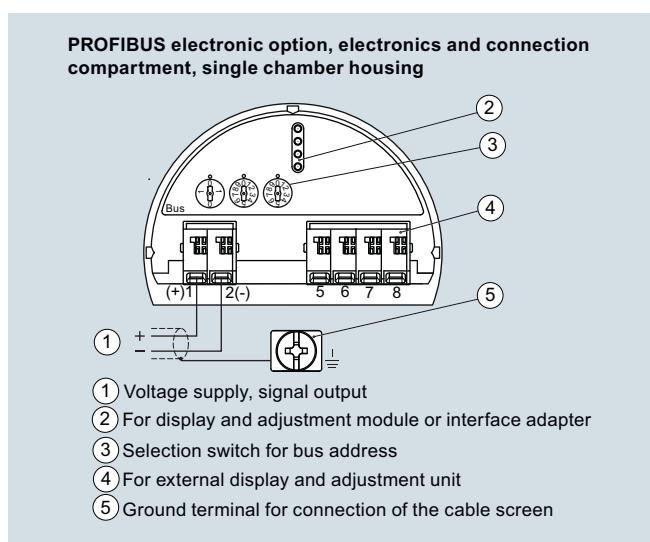


4

SITRANS LG series connections

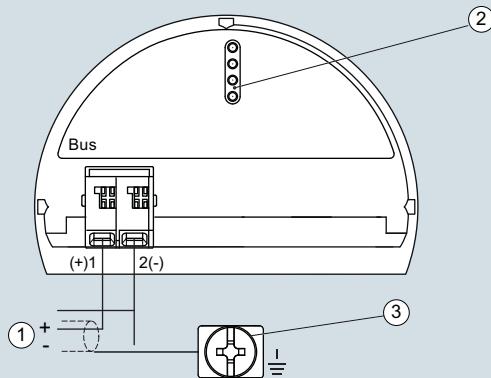


SITRANS LG series connections



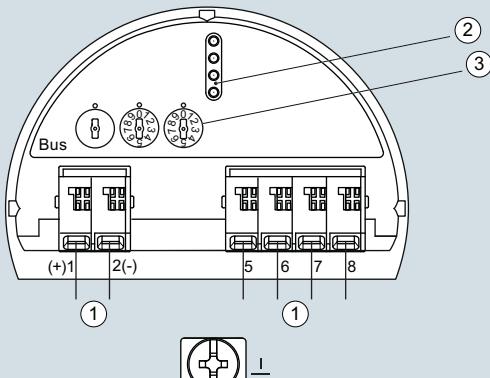
SITRANS LG series connections

PROFIBUS electronic option, connection compartment, double chamber housing



- ① Voltage supply, signal output
- ② For display and adjustment module or interface adapter
- ③ Ground terminal for connection of the cable screen

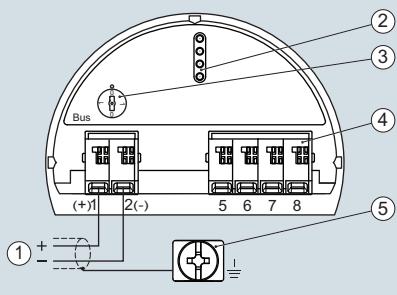
PROFIBUS electronic option, electronics compartment, double chamber housing



- ① Internal connection to the connection compartment
- ② Contact pins for the display and adjustment module or interface adapter
- ③ Selection switch for bus address

SITRANS LG series connections

LG series, FOUNDATION Fieldbus electronic option, electronic and terminal compartment, single chamber housing



- ① Voltage supply, signal output
- ② Contact pins for the display and adjustment module or interface adapter
- ③ Simulation switch ("1" = mode for simulation release)
- ④ For external display and adjustment unit
- ⑤ Ground terminal for connection of the cable screen

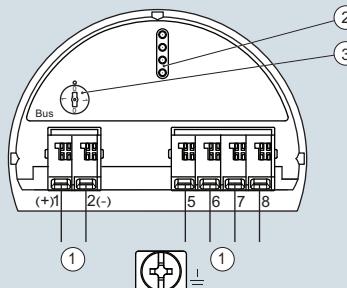
SITRANS LG series connections

Level Measurement

Continuous level measurement - Guided wave radar transmitters

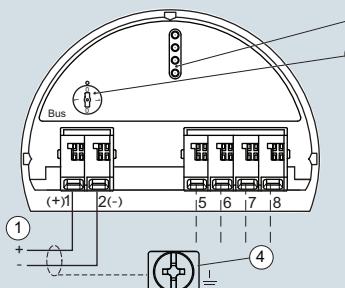
SITRANS LG series

**LG series, FOUNDATION Fieldbus electronic option,
electronic compartment, double chamber housing**



- ① Internal connection to the connection compartment
- ② Contact pins for the display and adjustment module or interface adapter
- ③ Simulation switch ("on" = simulation mode)

**LG series, FOUNDATION Fieldbus electronic option,
terminal compartment, double chamber housing**



- ① Voltage supply, signal output
- ② For display and adjustment module or interface adapter
- ③ For external display and adjustment unit
- ④ Ground terminal for connection of the cable screen

SITRANS LG series connections