


● Characteristics

3 - WEIGHING SYSTEM - SOLUTION - VESSEL - SILO - TANK - VEHEICLE - SCALE

	- Ranges:	0...1 up to 0...30 t
	- Output:	2 mV/V ($\pm 0,002$)
	- Voltage supply:	9...12 VDC
	- Accuracy:	<0,2% of range (combined error)
	- Output resistance:	700 Ω ± 5 Ω
	- Temperature range:	-20...+55 °C (working)
	- Insulation resistance:	>5000 M Ω (50 VDC)
	- Safe overload:	120% vom Bereich
	- Material:	alloy steel
	- Cable length:	standard 3 m

● Technical data

Input

Ranges: 0,1 / 0,2 / 0,5 / 1 / 2 / 3 / 5 / 10 / 20 / 30 t
 Input resistance: 700 Ω , ± 10 Ω

Output

Nominal load: 2,0 mV/V $\pm 0,002$ mV/V
 No load: $\pm 1,0$ % of range
 Output resistance: 700 Ω , ± 5 Ω

Accuracy

Combined error: 0,2 % of range
 Repeatability: 0,2 % of range
 Non-linearity: 0,1% of range
 Hysteresis: 0,2% of range
 Creep: 0,1% of range / 30 min
 Temperature coefficient:
 of span: 0,2% of range / 10°C
 of zero: 0,2% of range / 10°C

Supply

Voltage: 9...12 VDC standard value (maximum: 5...18 VDC)
 Insulation resistance: >5000 M Ω at 50 VDC

Ambient conditions

Temperature: compensated range: -10...+40°C
 operation range: -20...+55°C

Mechanics

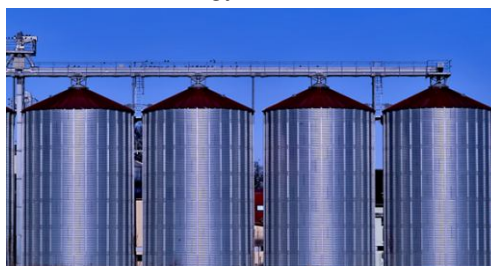
Dimensions: see table page 2
 Material load cell: alloy steel
 Safe overload: 120% of nominal load
 Ultimate overload: 150% of nominal load
 Protection: IP 66
 Connection: 3 m cable, shielded, 4-wire

● Applications

For use in all ranges where weigths have to be measured, e.g. in electronic vehicle scales, in track scales, hoppers and silos in loading plants for ports and terotechnology.



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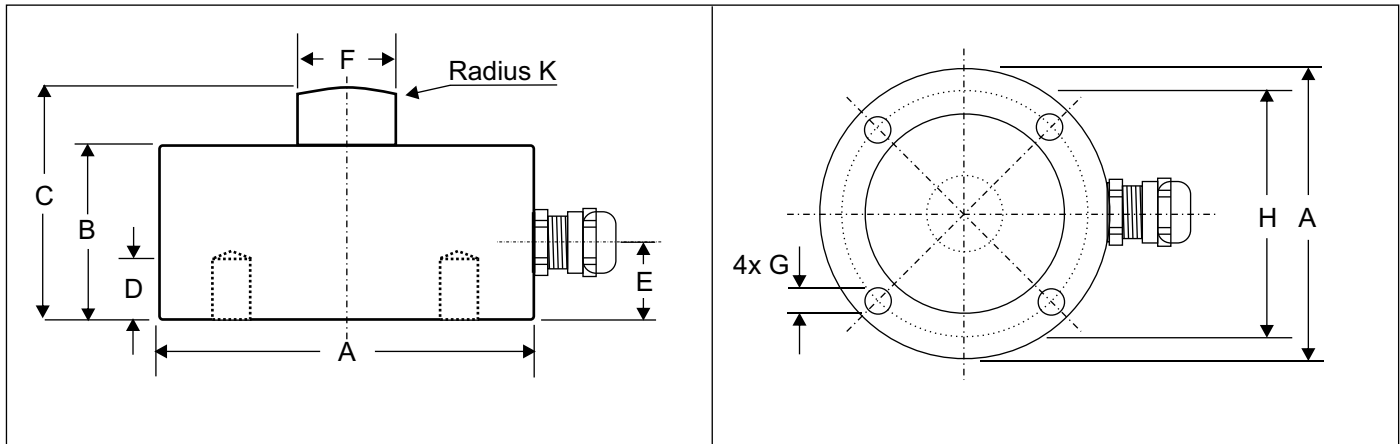
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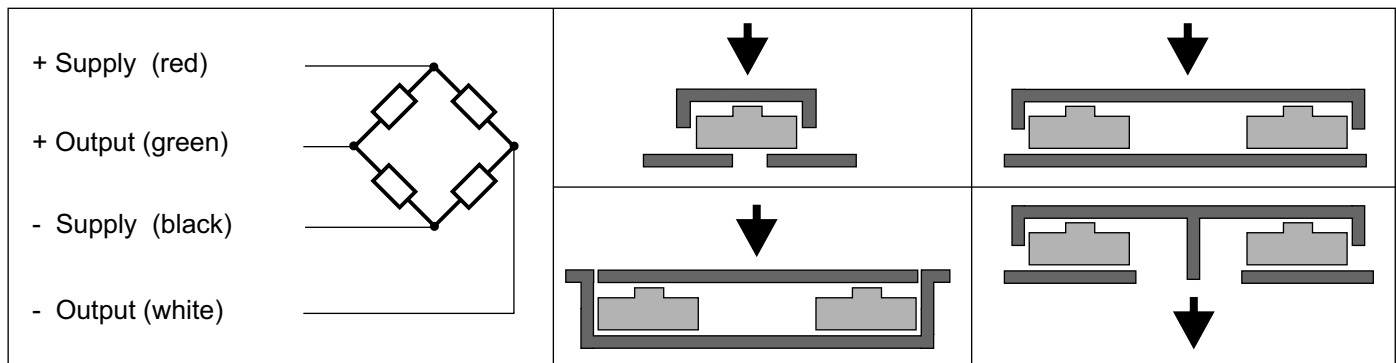
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● **Dimensions (in mm), view**

	Range	ØA	B	C	D	E	ØF	G	ØH	K		
Type 1	0,1...1 t	50	23	30	10	12	10	M5	42	30		
Type 2	2...5 t	90	36	48	15	12	22	M10	70	50		
Type 3	10...20 t	115	48	60	20	12	32	M12	90	80		
Type 4	30 t	155	85	90	25	12	42	M16	125	100		



● **Connection, example of use**



● **Ordering code**

C W X X X X X X - X X X

Material load cell: alloy steel 0

Range:		
0,1 t		0
0,2 t		1
0,5 t		2
1 t		3
2 t		4
3 t		5
5 t		6
10 t		7
20 t		8
30 t		9

Output: 2 mV/V 0

Other / Accessories: special model 0