CA 2022 Industrial resistance thermometer

Protection tube

Construction	Closed-end tube, 9mm.
Material	SS 316 - (Wst 1.4401)
Insertion length "L"	Customer to specify
Process connection	1/2" NPT

Connection head

Model	"B", according DIN 43729
Material	Cast aluminium
Cable entry	M20 x 1.5 cable gland

Measuring insert

Type	MI 2025
Construction	Springloaded and replaceable
Diameter	6 mm
Length "E"	E = L + 62,5 mm
Material	SS 316 - (Wst 1.4401)

Sensor

	Singel Pt 100: "S" or Duplex Pt 100: "D"
Accuracy	According IEC 751 class B
Style / Connection	3 wire system (Optional 4 wire system)
Range	-220 / + 600 °C

Options

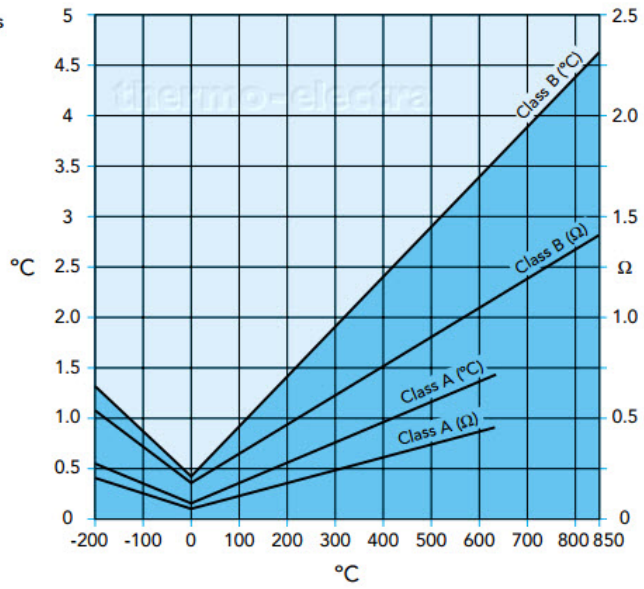
Transmitter 4-20mA	In-Head Transmitter, standard or ATEX Explosion proof. Please select from our standard range, see "transmitter" chapter, specify make, model and range.
Swing-Cover head	DAN. Transmitter direct mounted on measuring insert
High Swing-Cover head	DAN-H. Transmitter in cover. Insert with ceramic block



Tolerances for 100 Ω thermometers

temp	class A		class B	
°C	±°C	±°Ω	±°C	±°Ω
-200	0.55	0.24	1.3	0.56
-100	0.35	0.14	0.8	0.32
0	0.15	0.06	0.3	0.12
100	0.35	0.13	0.80	0.30
200	0.55	0.20	1.3	0.48
300	0.75	0.27	1.8	0.64
400	0.95	0.33	2.3	0.79
500	1.15	0.38	2.8	0.93
600	1.35	0.43	3.3	1.06
700	-	-	3.8	1.17
800	-	-	4.3	1.28
850	-	-	4.6	1.34

Tolerance values as a function of temperature for 100 Ω thermometers





Ordering code

Model: CA 2022 [ ] [ ]

Sensor (S or D)

Length "L" in mm

H2-1 Rev.0 7/07

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