CA 2005 Fast response resistance thermometer

Protection tube

Construction	Closed-end tube
Material	SS 316 -(Wst 1.4401)
Insertion length "L"	Customer to specify
Process connection	1/2" BSP
Extension length "X"	Customer to specify

Connection head

Model	"B, according DIN 43729
Material	Cast aluminium
Cable entry	M20x1.5 cable gland

Measuring insert

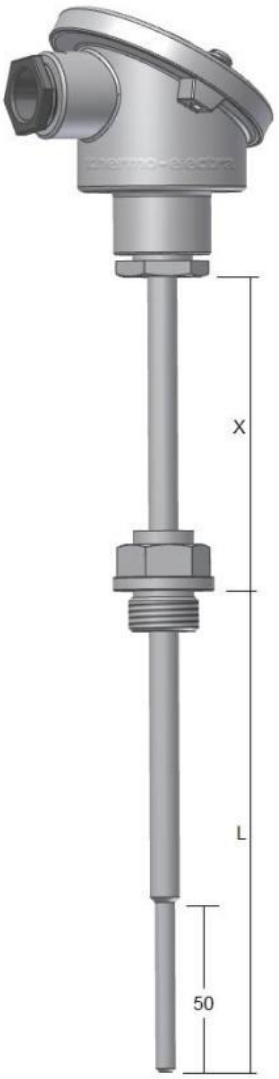
Construction	Fixed
Tip	Reduced
Stem diameter	9 mm
Tip diameter	6 mm

Sensor

	Single Pt 100: "S" or Duplex Pt100 "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

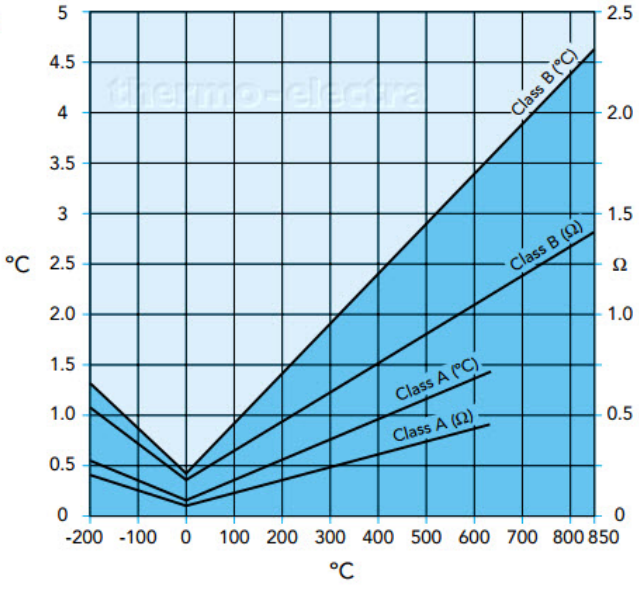




Tolerances for 100 Ω thermometers

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 2005			

Sensor (S or D)

Length "L" in mm

Length "X" in mm

thermo-electra
temperature sensor solutions

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