CA 2009 Fast response air resistance thermometer

Protection tube

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

Connection head

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

Measuring insert

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

Sensor

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

Options

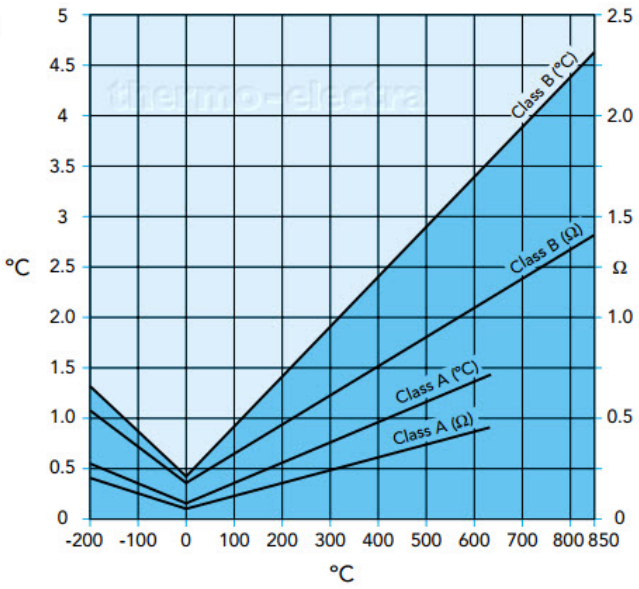
Transmitter 4-20mA	In-Head Transmitter, standard or ATEX Explosion proof. Please select from our standard range, see "transmitter" chapter, specify make, model and range.
Swing-Cover head	DAN. Transmitter direct mounted on measuring insert
High Swing-Cover head	DAN-H. Transmitter in cover. Insert with 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 2009		

Sensors (S or D)

Insertion length "L" in mm

H2-1 Rev.0 7/07

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temperature sensor solutions

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