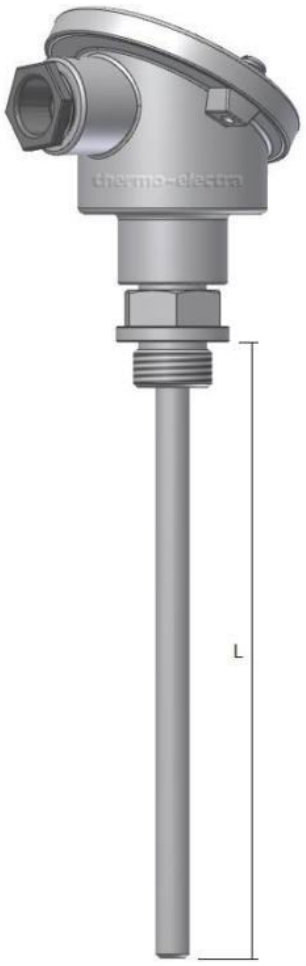
CA 2001 Resistance thermometer



Protection tube

Construction	Closed-end tube, 9mm. Max 60bar and media velocity of max. 25m/sec (air) or 3m/sec (water), depending of length
Material	SS 316 - (Wst 1.4401)
Insertion length "L"	Customer to specify
Process connection	1/2" BSP

Connection head

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

Measuring insert

Type	MI 2025
Construction	Springloaded and replaceable
Diameter	6 mm
Length "E"	E = L+45 mm
Material	SS 316 - (Wst 1.4401)

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

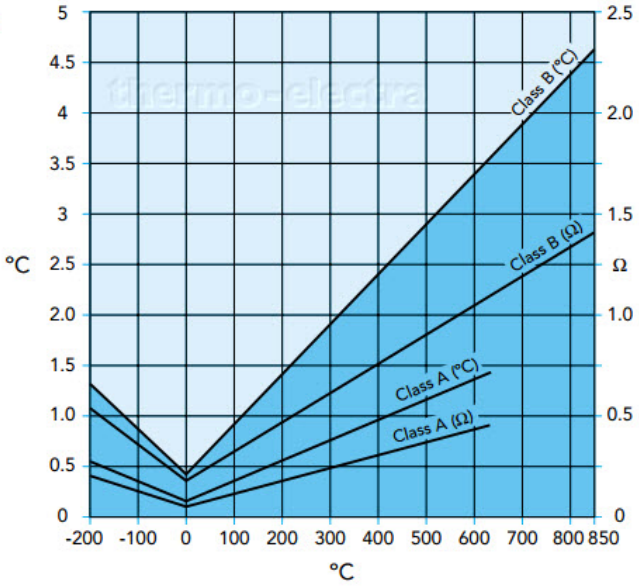
Options

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 2001 [ ] [ ]

Sensor (S or D)

Length "L" in mm

H2-1 Rev.0 7/07

thermo-electra
temperature sensor solutions

Thermo Electra B.V.
Weteringweg 10
2641KM Pijnacker
The Netherlands

Phone +31 (0)15 - 3621200
Fax +31 (0)15 - 3694082
Email sales@thermo-electra.com
http://www.thermo-electra.com