

HM 5040 Magnetic surface sensor

Construction

Magnet dimensions	39x26x25mm (LxWxH)
Strength	Magnetic strength 90 N
Ingress protection	IP54
Contact	Sensitive surface contact Spring loaded
Transport protection	Metal frontplate, must be removed to measure

Cable

Type	Silicone cable flexible conductors
Cable length	Standard 4000mm

Sensor

Detector	Single Pt100 tip sensitive
Accuracy	According IEC 751 class B
Style / Connection	3 wire system (Optional 4 wire system)

Temperature limits

Sensor	Maximum 250°C
Cable	Maximum 240°C

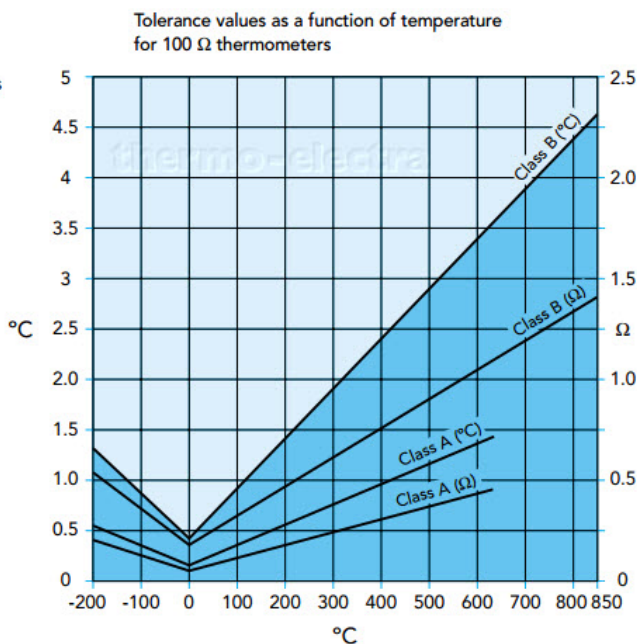
Options

ATEX	Other cable or dimensions Exe, Exi, or Exd
------	---



Tolerances for 100 Ω thermometers

temp °C	class A		class B	
	±°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



Ordering code

Model

Cable length K 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

