

# ME 2051 Resistance thermometer with standard plug

## Construction

Design	Mineral insulated resistance thermometer (RTD) for use up to +600°C
Usage	As a straight sensor however bending is allowed starting 50mm from the tip
Sheath material	SS 316 - (Wst 1.4401)
Insulation	MgO Magnesium oxide
Diameter "D"	To select 3 or 6 mm
Length "L"	Customer to specify

## Style / Connection

Connector	Standard 2 pole plug with round pins
Model	1065 Cu, 2-pole / 1060D Cu, 4-pole
Mounting adaptor	3mm with crimp adaptor / 6 mm with compression adaptor

## Sensor

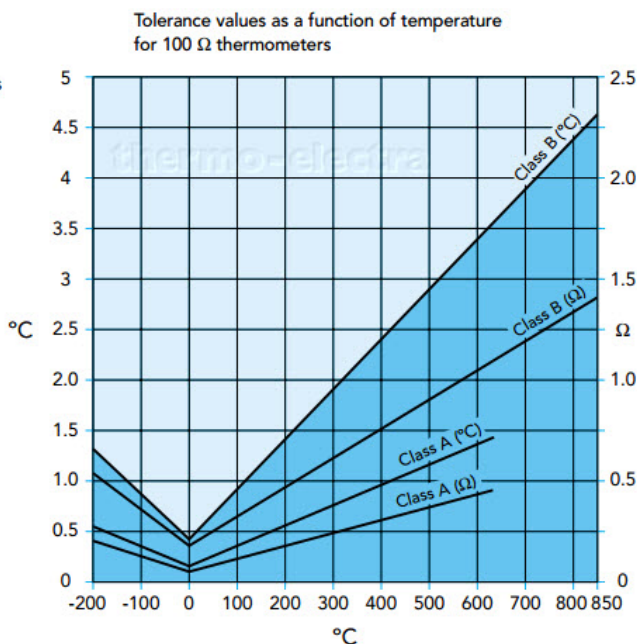
Measuring range	-220/+600°C
Single sensor	Single Pt 100: "S"
Dual sensor	Duplex Pt 100: "D"
Standard	According IEC 751
Accuracy	class B

Style / Connection	2 or 4 wire system
Insulation test	Tested 200 Volt @ 20°C
Insulation resistance	Minimum 100Mohm

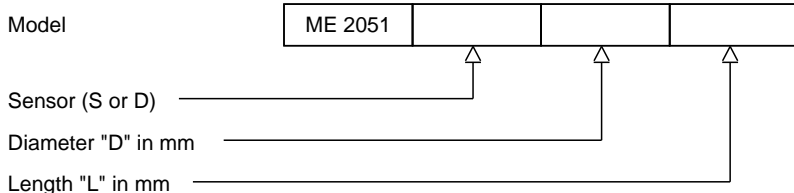


Tolerances for 100 Ω thermometers

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



H2-1 Rev.0 7/07



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