

82524 Miniature Pt100 surface probe



Construction

Dimensions	Contact plate 23x10mm
Material	Stainless steel (SS) standard, optional Aluminium (AL)
Hole diameter	4.5 mm
Ingress protection	IP54

Cable

Construction	Teflon insulated flexible cable with internal braiding, 240°C
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Cable length

Standard 1000mm

Sensor

Type	Single Pt100
Style / Connection	Standard 3 wire connected, 4 wire optional
Accuracy	According IEC 751 class B
Temperature range	-200 / +240°C

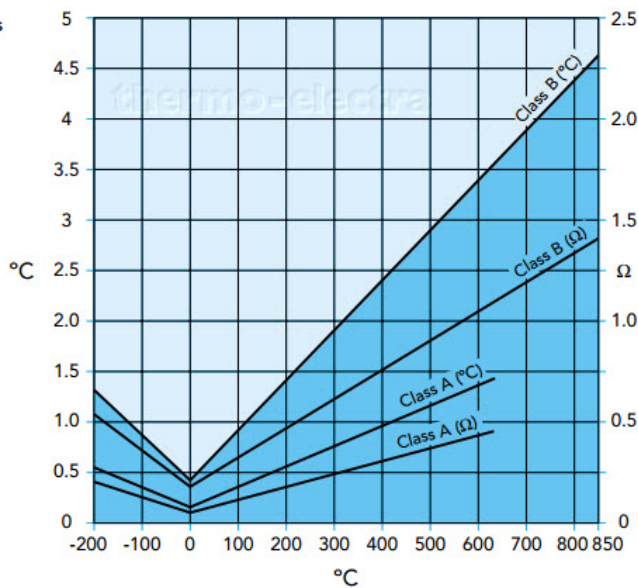
Options

	Accuracy IEC class A
	Other materials or cable
	Other plate dimensions to suit larger bolts
ATEX	Exe, Exi, or Exd
Type number	Replaces old type number WF 5828

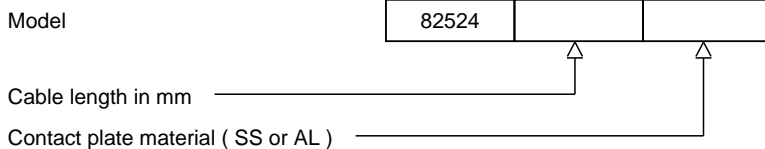
Tolerance values as a function of temperature for 100 Ω thermometers

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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