



LABFACILITY

TEMPERATURE & PROCESS TECHNOLOGY

About Labfacility

Formed in 1971, Labfacility specialize in the field of Temperature and Process Measurement.

We are the largest UK manufacturer of both temperature sensors and thermocouple connectors

Quality & Service

Quality and Service are key elements in the continued growth of Labfacility.

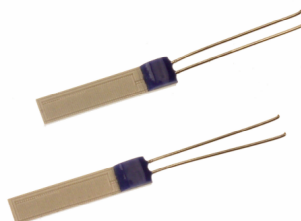
Technical support is always freely available from our experienced technical sales teams and the company has ISO9001 accreditation.

Contact Details

Email
sales@labfacility.com

Website
www.labfacility.com

Platinum Sensing Resistors – Thin Film (Pt100 & Pt1000 Ohm)



Pt100 Elements, Thin Film (100 Ohm)

- ◆ Pt100 elements to IEC751 Class A, B and 1/3DIN
- ◆ For use from -50°C to $+500^{\circ}\text{C}$
- ◆ Thin film construction
- ◆ Suitable for surface & immersion applications where protected
- ◆ Vibration resistant

Specifications of elements

Sensor type:	Pt100 (100 Ohms @ 0°C)
Construction:	Thin film, 10mm tails
Temperature range:	-50°C to $+500^{\circ}\text{C}$
Ice point resistance:	100 Ω
Fundamental interval (0°C to 100°C):	38.5 Ω (nominal)
Self heating:	$<0.5^{\circ}\text{C}/\text{mW}$
Thermal response:	0.1s
Stability:	$\pm 0.05\%$

Dimensions & Tolerance Class	Labfacility code	Farnell code
Pt100, 2 x 5.0mm, Class A	DM-508	128-9666
Pt100, 2 x 5.0mm, Class B	DM-503	721-8850 (x5)
Pt100, 2 x 5.0mm, 1/3 din	DM-510	244-3728
Pt100, 2 x 10mm, Class A	DM-334	859-8525
Pt100, 2 x 10mm, Class B	DM-333	859-8533
Pt100, 2.0 x 10mm, 1/3DIN	DM-509	208-1262
Pt100, 2.0 x 2.3mm, Class A	DM-303	128-9667
Pt100, 2.0 x 2.3mm, Class B	DM-301	859-8541
Pt100, 2.0 x 2.3mm, 1/3DIN	DM-304	208-1261
Pt100, 1.2 x 4.0mm, Class A	DM-312	128-9668
Pt100, 1.2 x 4.0mm, Class B	DM-313	128-9669
Pt100, 1.2 x 1.6mm, Class A	DM-314	128-9670
Pt100, 1.2 x 1.6mm, Class B	DM-315	128-9671
Pt100, 1.0 x 3.0mm, Class A	DM-514	208-1259
Pt100, 1.0 x 3.0mm, Class B	DM-513	208-1257

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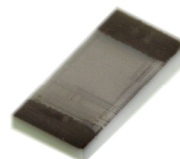
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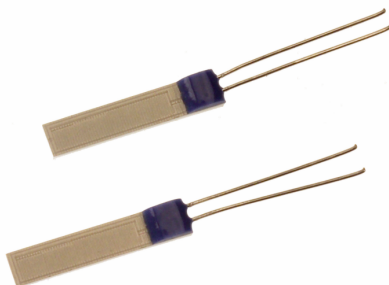
Pt100 PCB Surface Mount with Solders Pads

- ◆ Temperature range: -50°C to +150°C



<i>Dimensions & Tolerance Class</i>	<i>Labfacility code</i>	<i>Stock code</i>	<i>Farnell code</i>
Pt100, 1.6 x 3.2mm, Class B	DM-317	XF-544-D	128-9672

Pt1000 Elements, Thin Film (1000 Ohm)



- ◆ Pt1000 elements to IEC 751 Class A and B
- ◆ For use from -50°C to +500°C
- ◆ Thin film construction
- ◆ Suitable for surface & immersion applications where protected
- ◆ Vibration resistant

Specifications of elements

Sensor type:	Pt1000 (1000 Ohms @0°C)
Construction:	Thin film, 10mm tails
Temperature range:	-50°C to +500°C
Ice point resistance:	1000Ω
Fundamental interval (0°C to 100°C):	385Ω (nominal)
Self heating:	<0.5°C/mW
Thermal response:	0.1s
Stability:	±0.05%

<i>Dimensions & Tolerance Class</i>	<i>Labfacility code</i>	<i>Farnell code</i>
Pt1000, 2.0 x 10mm, Class A	DM-310	859-8550
Pt1000, 2.0 x 10mm, Class B	DM-507	774-5655
Pt1000, 1.0 x 3.0mm, Class B	DM-504	208-1263
Pt1000, 1.25 x 1.7mm, Class B	DM-318	208-1264
Pt1000, 10 x 2mm, 1/3 din	DM-311	244-3729