

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.

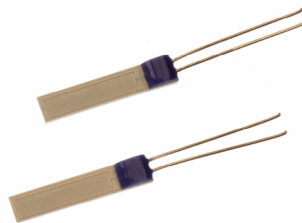
Technical support is always freely available from our experienced technical sales teams and the company has ISO9001 accreditation.

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

Pt100, 2 x 5.0mm, Class A	DM-508
Pt100, 2 x 5.0mm, Class B	DM-503
Pt100, 2 x 5.0mm, 1/3 din	DM-510
Pt100, 2 x 10mm, Class A	DM-334
Pt100, 2 x 10mm, Class B	DM-333
Pt100, 2.0 x 10mm, 1/3DIN	DM-509
Pt100, 2.0 x 2.3mm, Class A	DM-303
Pt100, 2.0 x 2.3mm, Class B	DM-301
Pt100, 2.0 x 2.3mm, 1/3DIN	DM-304
Pt100, 1.2 x 4.0mm, Class A	DM-312
Pt100, 1.2 x 4.0mm, Class B	DM-313
Pt100, 1.2 x 1.6mm, Class A	DM-314
Pt100, 1.2 x 1.6mm, Class B	DM-315
Pt100, 1.0 x 3.0mm, Class A	DM-514
Pt100, 1.0 x 3.0mm, Class B	DM-513

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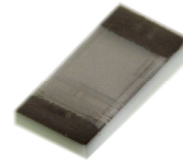
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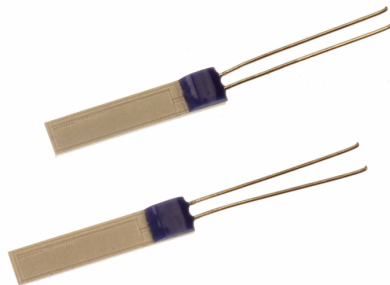
Pt100 PCB Surface Mount with Solders Pads

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



Dimensions & Tolerance Class	Labfacility code	Stock code
Pt100, 1.6 x 3.2mm, Class B	DM-317	XF-544-D

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%

Dimensions & Tolerance Class	Labfacility code
Pt1000, 2.0 x 10mm, Class A	DM-310
Pt1000, 2.0 x 10mm, Class B	DM-507
Pt1000, 1.0 x 3.0mm, Class B	DM-504
Pt1000, 1.25 x 1.7mm, Class B	DM-318
Pt1000, 10 x 2mm, 1/3 din	DM-311