



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

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

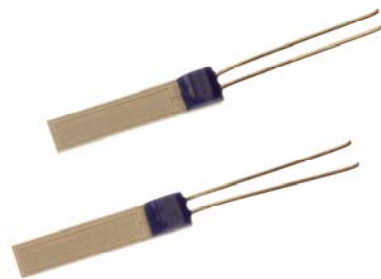
Quality and Service are key elements in the continued growth of Labfacility.

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



Pt100 Elements, Thin Film (100 Ohm)

- ◆ Pt100 elements to IEC751 Class A , B and 1/3DIN
- ◆ 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:	Pt100 (100 Ohms @ 0°C)
Construction:	Thin film, 10mm tails
Temperature range:	-50°C to +500°C
Ice point resistance:	100Ω
Fundamental interval (0°C to 100°C):	38.5Ω (nominal)
Self heating:	<0.5°C/mW
Thermal response:	0.1s
Stability:	±0.05%

Dimensions & Tolerance Class	Labfacility code	Stock code	Farnell code
Pt100, 2 x 5.0mm, Class A	DM-508	XF-537-D	128-9666
Pt100, 2 x 5.0mm, Class B	DM-503	XF-539-FAR	721-8850 (x5)
Pt100, 2 x10mm, Class A	DM-334	XF-416-FAR	859-8525
Pt100, 2 x 10mm, Class B	DM-333	XF-417-FAR	859-8533
Pt100, 2.0 x 10mm, 1/3DIN	DM-509	XF-553-FAR	208-1262
Pt100, 2.0 x 2.3mm, Class A	DM-303	XF-538-D	128-9667
Pt100, 2.0 x 2.3mm, Class B	DM-301	XF-418-FAR	859-8541
Pt100, 2.0 x 2.3mm, 1/3DIN	DM-304	XF-552-FAR	208-1261
Pt100, 1.2 x 4.0mm, Class A	DM-312	XF-539-D	128-9668
Pt100, 1.2 x 4.0mm, Class B	DM-313	XF-540-D	128-9669
Pt100, 1.2 x 1.6mm, Class A	DM-314	XF-541-D	128-9670
Pt100, 1.2 x 1.6mm, Class B	DM-315	XF-542-D	128-9671
Pt100, 1.0 x 3.0mm, Class A	DM-514	XF-551-FAR	208-1259
Pt100, 1.0 x 3.0mm, Class B	DM-513	XF-550-FAR	208-1257

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.

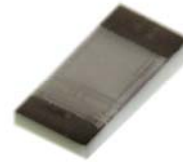
Contact Details

Email
sales@labfacility.com

Website
www.labfacility.com

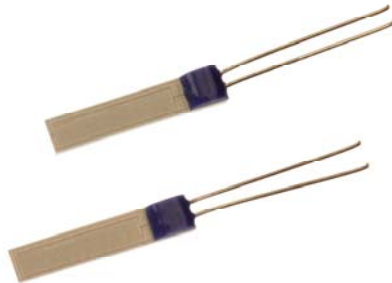
Pt100 PCB Surface Mount with Solders Pads

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



Dimensions & Tolerance Class	Labfacility code	Stock code	Farnell code
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%

Dimensions & Tolerance Class	Labfacility code	Stock code	Farnell code
Pt1000, 2.0 x 10mm, Class A	DM-310	XF-419-FAR	859-8550
Pt1000, 2.0 x 10mm, Class B	DM-507	XF-420-FAR	774-5655
Pt1000, 1.0 x 3.0mm, Class B	DM-504	XF-554-FAR	208-1263
Pt1000, 1.25 x 1.7mm, Class B	DM-318	XF-555-FAR	208-1264