

# Pt100 Probe

## with Handle and Coiled Cable

These economical PR-16 Series Pt100 probes feature accuracy conforming to BS EN60751:1996 Class A as standard. The probes, which contain thin-film elements, have an easy-grip handle with a coiled cable that extends to 1.5 m. The standard construction has a rigid stainless steel tube sheath and a measurement range from -30 to 350°C. Options include a mineral-insulated (MI) cable sheath with a measurement range from -200 to 350°C in Accuracy Class A and -200 to 650°C in Accuracy Class B. MI-sheathed probes are semi-rigid and may be shaped to suit many applications.

Standard construction of either style is 3-wire. For pricing of 2- or 4-wire configurations and 1/3 or 1/10 DIN accuracy elements, contact our sales department.

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)							
Model No.	Operating Range (°C)	Accuracy Tolerance Class**	Sheath Length (mm)	1.5 mm Dia. Price	2 mm Dia. Price	3 mm Dia. Price	6 mm Dia. Price
PR-16-2(*)-150	-30 to 350	A	150	£64	£59	£40	£39
PR-16-2(*)-300	-30 to 350	A	300	66	61	42	41
PR-16-2(*)-600	-30 to 350	A	600	68	63	44	43
PR-16-2(*)-150-MI	-200 to 350	A	150	CALL	74	55	54
PR-16-2(*)-300-MI	-200 to 350	A	300	CALL	76	57	56
PR-16-2(*)-600-MI	-200 to 350	A	600	CALL	79	60	59
PR-16-2(*)-150-MI-B	-200 to 650	B	150	CALL	74	55	54
PR-16-2(*)-300-MI-B	-200 to 650	B	300	CALL	76	57	56
PR-16-2(*)-600-MI-B	-200 to 650	B	600	CALL	79	60	59

\* Specify: "M15", "M20", "M30" or "M60" for probe diameter in millimetres.

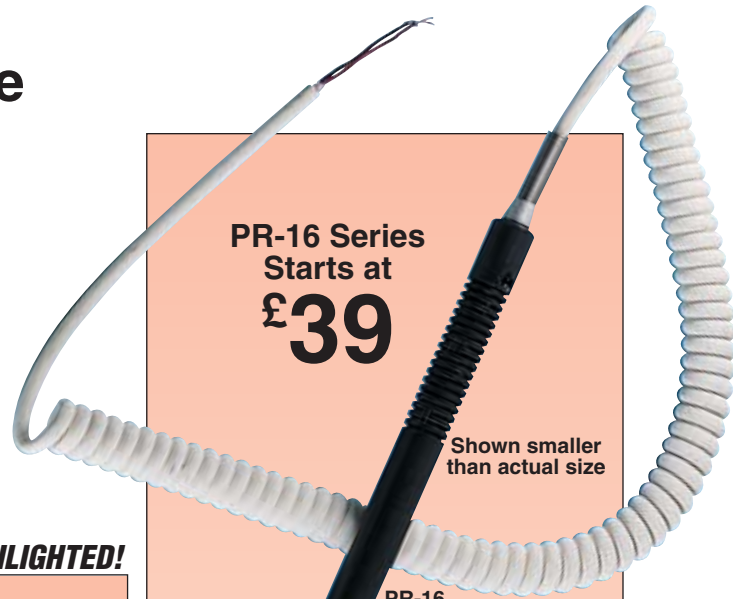
\*\* Accuracy specification per BS EN60751: 1996; see table below.

**Note:** Standard probes conform to the DIN 43760 (European) standard curve (alpha = 0.00385). If probes with the American curve (alpha = 0.00392) are desired, add "A" to the model number and add £5.

**Ordering Example:** PR-16-2-M60-300, utility handle probe, 3-wire configuration, 100 Ω @ 0°C, 6 mm stainless steel sheath, 300 mm length, European curve (α = 0.00385), £41.

### BS EN60751: 1996 Standard Tolerances

Temp in °C	Tolerance			
	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	0.8	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

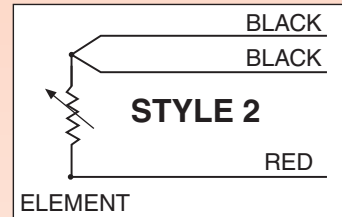


PR-16 Series Starts at £39

Shown smaller than actual size

PR-16 Series

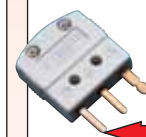
### MOST POPULAR!



### Standard Lead Configuration of Probes (3-Wire)

Lead configuration style 2 provides one connection to one end and two to the other end of the sensor. Connected to an instrument designed to accept three-wire input, compensation is achieved for lead resistance and temperature change in lead resistance. This is the most common industry configuration.

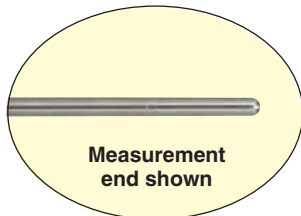
### Add a 3-Pin Connector!



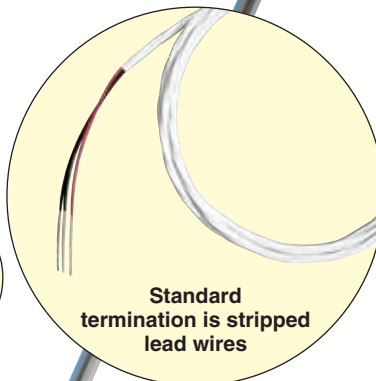
Add suffix and £5 to model no. Miniature Connector = "-MTP" shown, Standard Connector = "-OTP" Red lead attaches to this pin for Style 2

### Discount Schedule

1 to 4 units	Net
5 to 9 units	4%
10 to 24 units	8%
25 to 49 units	12%
50 units+	Consult Sales



Measurement end shown



Standard termination is stripped lead wires



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