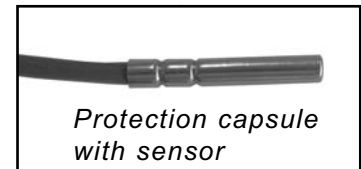


## TEMPERATURE PROBES

### DESCRIPTION

Temperature probes are manufactured in several materials so that they can be used with a wide range of temperatures. Probes are fitted with NTC / PTC, Pt100 sensors or thermocouples. Depending on the type of sensor, the protection capsule (that is usually cylindrical) can be in ABS, Aisi 304/316 stainless steel and Inconel. To further protect the sensor, special materials (resins) have been used for the area between the sensor and capsule. The cable that transmits the signal to the instrument is in PVC, silicon or Vetrotex and available in several lengths. The operating range depends on the materials and type of sensor used.



### PROBE SELECTION

LOW COST EVERYDAY USE	THERMISTOR	NTC / PTC
ACCURACY	RTD (Resistance Temperature Detector)	Pt100
FAST RESPONSE, HIGH TEMPERATURE	THERMOCOUPLE	TYPE K or J

### TECHNICAL DATA

TYPE OF SENSOR	RANGE
NTC	-50...110 °C
PTC	-55...150 °C
Pt100	-100...600 °C
THERMOCOUPLE J	0...600 °C
THERMOCOUPLE K	0...1350 °C

TYPE OF CABLE	RANGE	CONTAINER MATERIAL	RANGE
PVC Plastic	-30...80	ABS	-30...80
Silicon	-60...200	AISI 304	-80...600
Vetrotex	0...350	INCONEL	0...1200

**PROBES**

NTC PROBES 10K ohms @ 25°C	PROBE	CABLE	LENGTH	TEMP. RANGE
SN691150	5 x 15 ABS	PVC	1.5 m	-30...80 °C
SN8P0A1500	6 x 40 SS	PVC	1.5 m	-30...80 °C
SN8S0A3000	6 x 40 SS	Silicon	3 m	-50...110 °C

PTC PROBES 1K ohms @ 25°C	PROBE	CABLE	LENGTH	TEMP. RANGE
SN7S0A3000	6 x 40 SS	Silicon	3 m	-55...150 °C

Pt100 PROBES 100 ohms @ 0°C	PROBE	CABLE	LENGTH	TEMP. RANGE
SN200009	6 x 100 SS with spring	Vetrotex	3 m	0...350 °C
SN206081	6 x 40 SS	Silicon	3 m	0...200 °C

Pt1000 PROBES 1K ohms @ 0°C	PROBE	CABLE	LENGTH	TEMP. RANGE
SN9S0A2500	6 x 40 SS	Silicon	2.5 m	0...200 °C

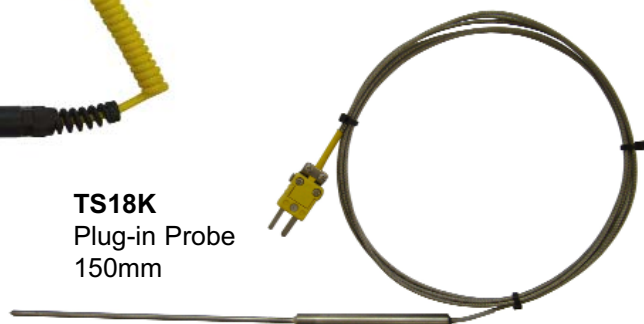
THERMOCOUPLES (J)	PROBE	CABLE	LENGTH	TEMP. RANGE
SN300000	6 x 100 with spring	Vetrotex	3 m	0...600 °C

THERMOCOUPLES (K)	PROBE	CABLE	LENGTH	TEMP. RANGE
SN400000	6 x 100 SS with spring	Vetrotex	3 m	0...600 °C
81073	6 x 50 INC600 with spring	SS braided F-glass	3 m	0...1350 °C
81074	6 x 100 INC600 with spring	SS braided F-glass	3 m	0...1350 °C
TS-TP05	3 x 150 with handle	curly cord and plug	0.5 - 2.2 m	0...1350 °C
TS18K	3 x 150 with handle	Vetrotex and plug	2.3 m	0...1350 °C
SR100K	M6 Bolt	SS braided F-glass	1.5 m	0...1350 °C

**TS-TP05**  
Plug-in Probe  
150mm



**TS18K**  
Plug-in Probe  
150mm



**THERMOWELLS**

**1/4IN BSP 6.8mm ID - to suit 6mm probes (NTC/PTC)**

LENGTH	BRASS FITTING & COPPER TUBE	SS FITTING & NICROFER TUBE
150 mm	PN42150B	PN42150S
305 mm	PN42305B	PN42305S
610 mm	PN42610B	PN42610S
915 mm	PN42915B	PN42915S

Thermowells available with optional metal cable gland to position and secure the probe.



**1/2IN BSP 8mm ID - to suit PT100 and TC probes with spring**

LENGTH	BRASS FITTING & BRASS TUBE	SS FITTING & NICROFER TUBE
150 mm		PQ12150S
225 mm		PQ12225S
305 mm		PQ12305S
610 mm		PQ12610S
915 mm		PQ12915S

**TC22S1460**  
Compression Fitting  
316 Stainless Steel



This page intentionally left blank – more new products coming soon

Check out the on line catalogue at [www.grimwoodheating.com.au](http://www.grimwoodheating.com.au) for the latest