

Strap-on Temperature Sensor



The strap-on temperature sensor is designed to allow pipe flow temperatures to be measured using a flying lead, strap on assembly.

The sensor uses a copper head where the sensing element is held and is strapped to the pipework. The sensor is housed in an IP65 enclosure to protect the sensor and is fixed closed with screws.

The sensor is available with all standard thermistor options suitable for all major BMS types.

Specification

Material:	Sensor Head:	Brass
	Cable:	2 Core PVC Cable <i>For high temperature applications PTFE Cable used</i>
	Sensor Housing:	Polycarbonate (IP25)
Sensing Elements:		See below
Accuracy:		+/- 0.2°C @ 70°C
Operating Temperature:		-10°C + 70°C
Terminals:		1mm recommended, 2.5 max
Product Codes:		See below

Product Codes

Element Type	System Compatibility	Product Codes	Accuracy
10K3A1	Trend / Jel / Honeywell / Aquatrol 2000 / Ambiflex / Next / Smart / York	TPCS-RT/10K3	+/- 0.2°C
10K4A1	Andover / Automatrix / York / Siebe	TPCS-RT/10K4	+/- 0.2°C
1.8K7	TAC	TPCS-RT/1K87	+/- 0.2°C
2.2K3A1	Johnsons / Ambiflex	TPCS-RT/2K2	+/- 0.2°C
3K3A1	Alerton	TPCS-RT/3K3	+/- 0.2°C
20K6A1	Honeywell	TPCS-RT/20K6	+/- 0.2°C
30K6A1	Drayton	TPCS-RT/30K6	+/- 0.2°C
100K6A1	York (>40°C)	TPCS-RT/100K6	+/- 0.2°C
Satchwell	Satchwell T Range	TPCS-RT/TRANGE	+/- 0.2°C
Ni1000	Landis & Gyr	TPCS-RT/NI1000	+/- 0.3°C
PT100	PT100	TPCS-RT/PT100	+/- 0.3°C
PT1000	PT1000	TPCS-RT/PT1000	+/- 0.3°C
4-20mA	2 Wire Loop Powered	TPCS-RT/40 (-10 to +40°C)*	+/- 0.4°C
0-10V	3 Wire 24V Supply	TPVCS-RT/40 (-10 to +40°C)*	+/- 0.5°C

* Other ranges available on request.

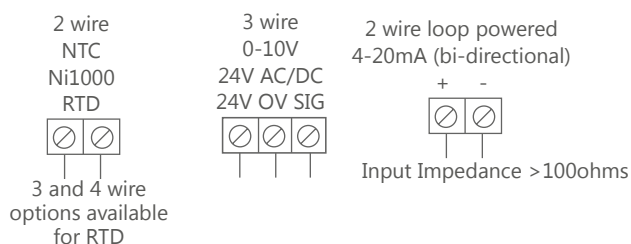
High Temperature Assemblies

The high temperature sensors are provided with 2m of PTFE cabling

Element Type	System Compatibility	Product Codes	Accuracy
4-20mA	2 Wire Loop Powered	TPCS-RT/110 (-10 to +110°C)* TPCS-RT/160 (-10 to +160°C)*	+/- 0.4°C
0-10V	3 Wire 24V Supply	TPVCS-RT/100 (-10 to +100°C)* TPVCS-RT/160 (-10 to +160°C)*	+/- 0.5°C

* Other ranges available on request.

Wiring



Dimensions

