

Immersion Temperature Sensor



The Titan Products Immersion Temperature Sensor is designed to measure temperature conditions in liquid flow lines. The sensor element is enclosed in a rigid stem which is mounted into a pocket with options for brass (standard) or stainless steel. The immersion pocket length is 125mm as standard with a shorter 65mm length also available. Other lengths are also available on request. Please contact the sales team for more information.

For chilled water applications the sensor stem, sensor element and terminal board are epoxy sealed to prevent the influence of condensation in low temperature conditions. The sensor is available with a range of temperature measurement elements.

The immersion sensors are supplied without a pocket as standard. If a pocket is required, please order separately.

Specification

Material:	Body: Flame retardant polycarbonate Probe: Brass
Sensing Elements:	See below
Accuracy:	+/-0.2°C @ 70°C thermistor +/-0.4°C (4-20mA) +/-0.5°C (0-10V)
Operating Temperature:	-40 - +110°C (standard body) -40 - +150°C (remote transmitter)
Terminals:	1.0mm recommended 2.5mm max.
Location:	Positioned to measure the controlled condition
Dimensions (mm):	Probe: 125mm as standard Body: H60 x W65 x D36 20mm cable gland entry
Protection:	IP65
Country of Origin:	UK
Product Code:	See below

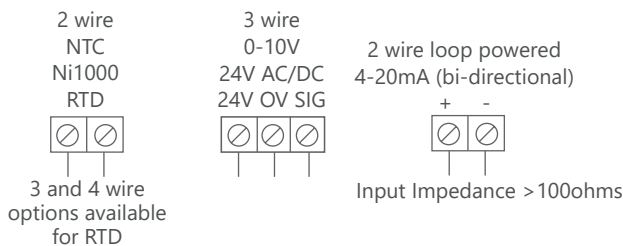
Product Codes

Element Type	System Compatibility	Product Codes for 125mm immersion Add /65 to code for 65mm immersion probe length		Accuracy
		Standard	Encapsulated	
10K3A1	Trend / Jel / Honeywell / Aquatrol 2000 / Ambiflex / Next / Smart / York	TPTIS/NP	TPTIS/R/NP	+/- 0.2°C
10K4A1	Andover / Automatrix / York / Siebe	TPAIS/NP	TPAIS/R/NP	+/- 0.2°C
20K6A1	Honeywell	TPHIS/NP	TPHIS/R/NP	+/- 0.2°C
Ni1000	Landis & Gyr	TPIS/Ni1000/NP	TPIS/Ni1000/R/NP	+/- 0.3°C
PT1000	PT1000	TPPT3IS/NP	TPPT3IS/R/NP	+/- 0.3°C
4-20mA	2 Wire Loop Powered	TPIS/40/NP (-10 to +40°C)*		+/- 0.4°C
0-10V	3 Wire 24V Supply	TPVIS/40/NP (-10 to +40°C)*		+/- 0.5°C

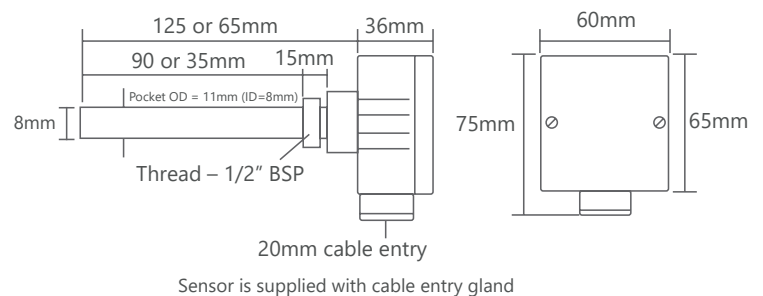
Other element types available on request. Contact Titan Products for details and options.

* Other ranges available on request.

Wiring



Dimensions



The 10K3A1 range of environmental sensors are designed to be used with all Titan BACnet controllers

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UK DESIGNED, DEVELOPED AND MANUFACTURED

Ref: SKU 12 / 243

