

Model 723 fluid immersion temperature sensor



Overview

Accurately senses temperature of heated / chilled water and other heat exchange fluids.

Easily installs in pipes or tanks.

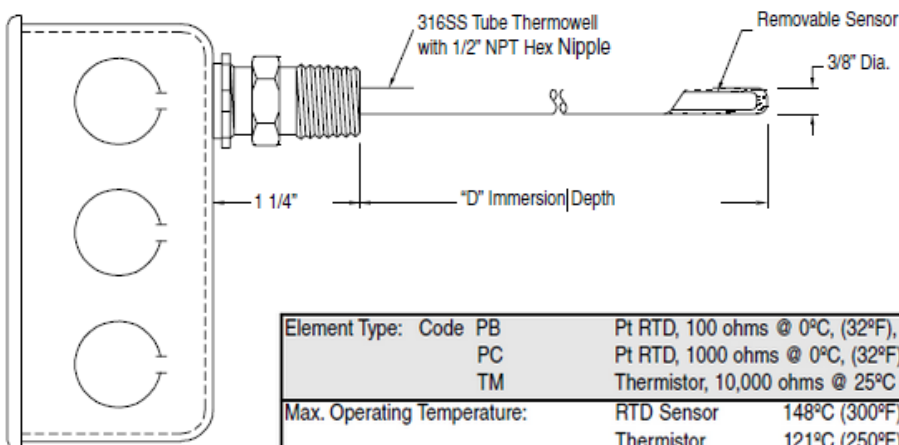
Removable sensor.

Available with optional housings to meet specific application requirements.

Ideal for remote sensing when used in conjunction with optional temperature transmitter.

Technical specification

Feature	Description
Element type	Standard platinum, 100 ohms @ 0C (32F), .00385, TCR, with optional Pt1000 and 10K thermistor
Accuracy	Standard +/-0.3C @ 0C (+/- .56F @ 32F)
Termination housing	Standard galvanized steel utility box, with optional NEMA4 steel box available
Sensor sheath length	Standard 2 to 10 inches
Maximum operating temperature	148°C (300°F)
Sensor lead wire	Three 24 AWG Teflon insulated
Insulation resistance	Greater than 100 Megohms @ 100VDC @ 21C (70F)
Accessory	4500H transmitter (0502-157-0003)



Element Type:	Code	PB	Pt RTD, 100 ohms @ 0°C, (32°F), 0.00385055 TCR (DIN B)
		PC	Pt RTD, 1000 ohms @ 0°C, (32°F), 0.00385055 TCR (DIN B)
		TM	Thermistor, 10,000 ohms @ 25°C (77°F)
Max. Operating Temperature:		RTD Sensor	148°C (300°F)
		Thermistor	121°C (250°F)
		RTD Transmitter	65°C (150°F)
Sensor Lead Wire:		RTD	Three 24 AWG Teflon insulated
		Thermistor	Two 20 AWG polyolefin insulated
Insulation Resistance:			Minimum 100 megohms @ 100 VDC @ 21°C (70°F)
Stability:	RTD		Typically, 0.26°C (0.47°F) over 5 years
	Thermistor		Typically, 1°C (1.8°F) over 5 years
Accuracy:	RTD		±0.3°C (±.56°F @ 0°C)
	Thermistor		±0.2% C from 0°C to 87°C (±0.36°F, from 32°F to 158°F)
	With Transmitter		Add 0.1% of span (RTD only)

Technical specification

Code	Fluid Immersion Sensor
723-PB	Pt RTD, 100 ohms @ 0°C (32°F) (DIN B)
723-PC	Pt RTD, 1000 ohms @ 0°C (32°F) (DIN B)
723-TM	Thermistor, 10,000 ohms @ 25°C (77°F) - not available with transmitter Add code "MT" for matched calibrated to transmitter. See RTD General Specifications.

Code	Housing
U	Galvanized steel utility box with cover - Industry Standard
W	Painted steel box with cover, NEMA 4
Code	Insertion Length (L)
(D")	Specify "D" dimension in inches, up to 10" is standard.
Other	Consult factory

For RTD assemblies with Sensor-Mate® Temperature Transmitter

Model	Sensor Mate® Transmitter
4600H	100 ohm Pt RTD input/ PC programmable/ 4-20mA output
7700H	1000 ohm PT RTD input/ 4-20mA output
Code	Temperature Range
(__ to __)	Specify °C or °F

723-PB - U - 6" - 4600H - (0° to 100°F) ← Sample Model Number (Sensor with Transmitter)

723-PB - U - 6" ← Sample Model Number (Sensor without Transmitter)

- - - - Your Model Number ←

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