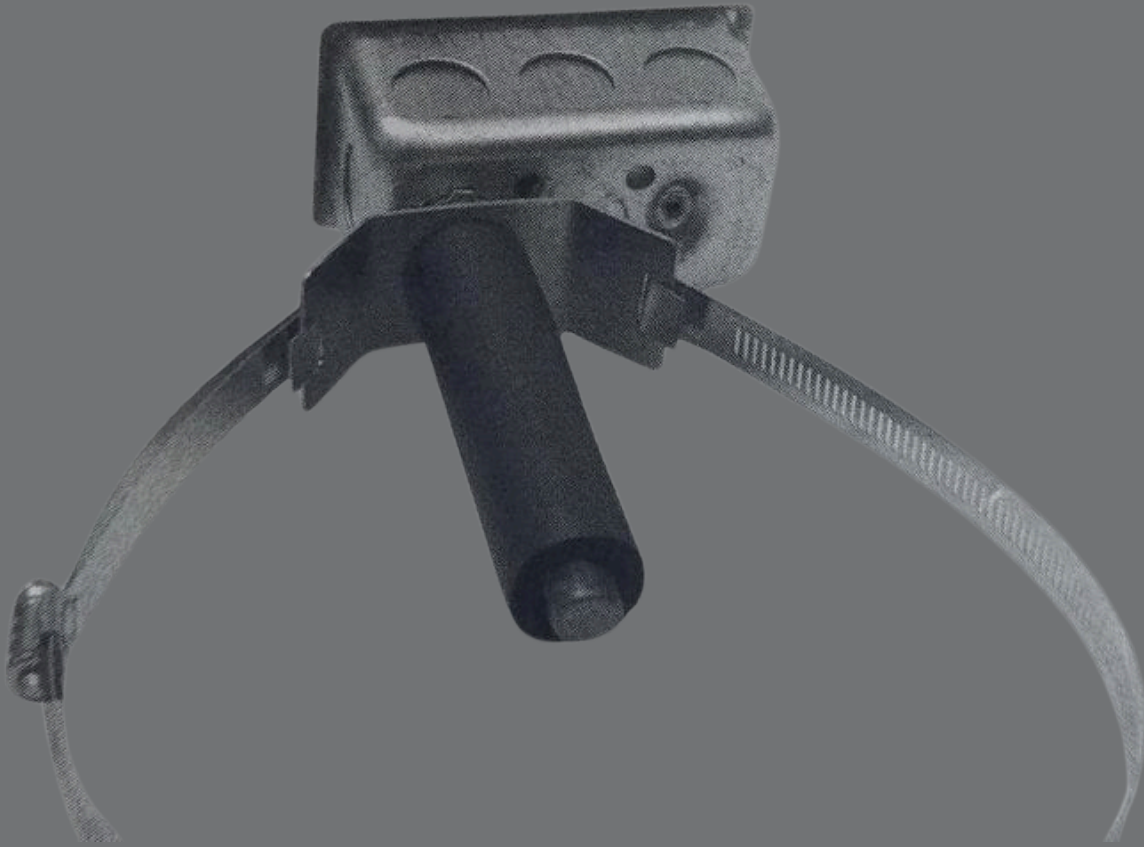
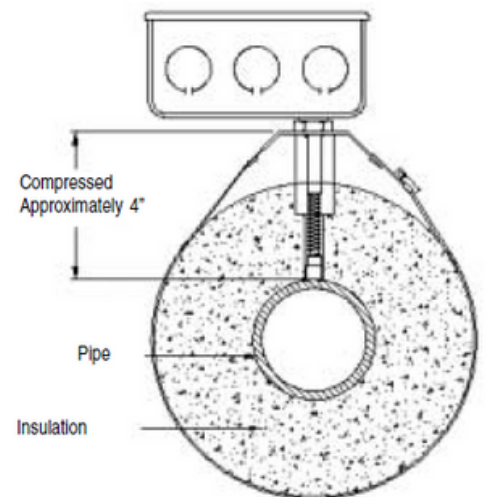


763 pipe clamp temperature sensor



Overview

Designed to measure the temperature of fluids in pipes or tanks. Ideal for applications where invasive sensor installation is impractical or prohibitive in cost. Unique tip design provides fast response time and excellent accuracy. Ideal for remote sensing when used in conjunction with optional temperature transmitter.



Technical specification

Feature	Description
Element type	Standard pPlatinum, 100 ohms @ 0C (32F), .00385 TCR, with optional Pt1000 and 10K Thermistor
Accuracy	Standard DIN-B
Termination housing	Standard galvanized steel utility box, with optional NEMA4 steel box available
Maximum operating temperature	65C (150F)
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)
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 ² (0.47°F) over 5 years
	Thermistor	Typically, 1°C (1.8°F) over 5 years
Accuracy: RTD	± 0.3°C @ 0°C (± 0.56 °F @ 32°F)	
Thermistor	± 0.2°C, from 0°C to 87°C (± 0.36 °F, from 32 °F to 158°F)	
With Transmitter	± 0.08% of span (RTD only)	

Technical specification

Code	Pipe Clamp Sensor
763-PB	RTD, 100 ohms @ 0°C (32°F) (DIN B),
763-PC	RTD, 1000 ohms @ 0°C (32°F) (DIN B)
763-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	Pipe Diameter
XX.X	Specify in inches to the nearest .5"

Code	Insulation Thickness - 4" Maximum
XX.X	Specify to the nearest inch

For RTD assemblies with Sensor-Mate® Transmitter

Code	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°

763-PB - U / 06.0 - 2.0 - 4600H - (0° to 100°F) ← Sample Model Number (RTD with Transmitter)

763-PB - U / - - - ← Sample Model Number (Sensor with no Transmitter)

- - / - - - ← Your Model Number

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About Curtiss-Wright

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