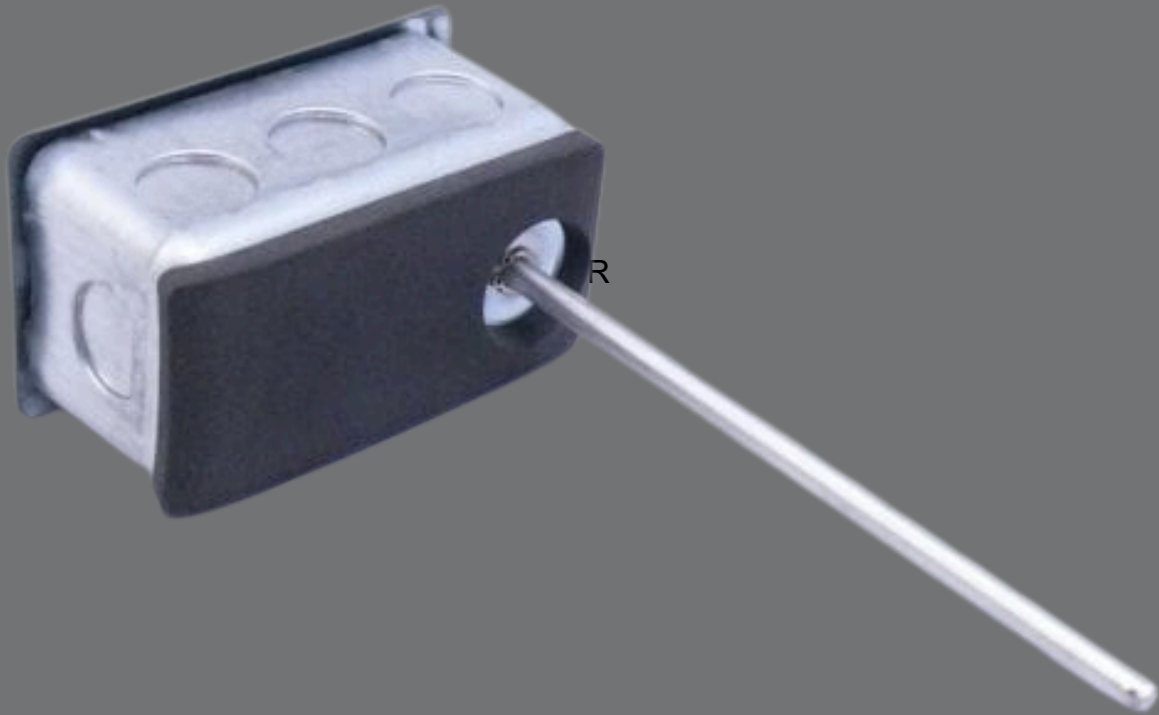


Model 733 duct temperature sensor



Overview

Accurately senses temperature at a point inside a duct or plenum.

Low cost rugged design.

High quality sensor constructed of 316 stainless steel.

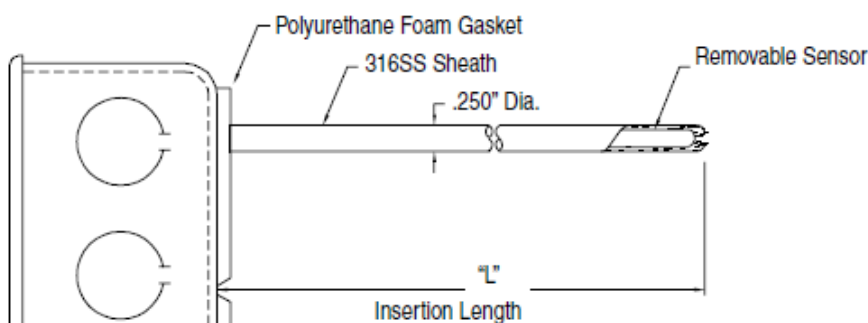
For ease of installation, unit mounts with only two screws, and is supplied with a gasket to prevent air leakage from duct.

Sensor is easily removable without dismounting the unit.

Ideal for remote sensing and long distance transmission 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 DIN-B
Termination housing	Standard galvanized steel utility box, with optional NEMA4 steel box available
Sensor sheath length	Standard 2 to 18 inches
Maximum operating temperature	65°C (150°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:			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
	Themistor		Typically, 1°C (1.8°F) over 5 years
Accuracy:	RTD		±0.3°C (±0.56 °F) @ 0°C
	Thermistor		±0.2°C from 0° to 87°C (± 0.36 °F, from 32 °F to 158°F)
	Transmitter		Add 0.08% of span (RTD only)

Technical specification

Code	Duct Air Sensor
733-PB	Pt RTD, 100 ohms @ 0°C (32°F) (DIN B)
733-PC	Pt RTD, 1000 ohms @ 0°C (32°F) (DIN B)
733-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)
(L")	Specify "L" dimension in inches, 6" & 8" are standard.
Other	Consult factory

For RTD assemblies with Sensor-Mate® Temperature Transmitter

Model	Sensor Mate® Temperature 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

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

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

- - - - - ← Your Model Number

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