

MT-701-A/B



Temperature Sensor Flange Mount

Incorporate a hermitically sealed 304 SS probe, crimped on to a steel flange providing a rugged assembly for duct temperature sensing. Two mounting holes are provided for #8 screws and the flange mating surface is fully gasketed to seal off the probe and screw holes. MT-701-A is available with 3 in/76mm wire leads and the MT-701-B has 6 ft/1.8 meter plenum rated cable. MT-701-A/B is an ideal product for a rugged, reliable, quick and easy installation in air handlers, fan coil units, ducts, furnaces, freezers, ovens or any other through the wall temperature sensing application. Maximum temp 200°C.

MT-701-C/D



Temperature Sensor Bulkhead Mount

Fast response 304 SS probe with a brass bulkhead fitting and a compression sleeve forms a strong assembly for duct temperature sensing if adjustable insertion depth is desired. The bulkhead fitting is installed in the duct, compression sleeve loosened, probe inserted to the desired length and the sleeve is tightened. Sensor is available with 3 in/75mm leads or 6 ft/1.8 meter plenum rated cable. MT-701-C/D sensors provide a low cost, rugged, quick and easy installation in air handlers, fan coil units, ducts, plenum, furnaces, freezers, oven or any other through the wall temperature sensing, maximum temp 200°C.

Ordering Information: MT-701

Installation	Sensor*	Probe Length
A Flange mount 3 in/75mm wire leads	1 100 ohm Platinum RTD	A 4 inches/100mm
B Flange mount 6 ft/1.8m plenum cable	2 1,000 ohm Platinum RTD	B 6 inches/150mm
C Bulkhead mount 3 in/75mm wire leads	3 1,000 ohm NTC thermistor	C 8 inches/200mm
D Bulkhead mount 6 ft/1.8m plenum cable	4 5,000 ohm NTC thermistor	D 12 inches/300mm
	5 10,000 ohm NTC thermistor	

Example : MT-701-B-3-A Flange mount with 6 ft cable, 1,000 ohm thermistor and 4 inch probe length.

MT-702-A



Temperature Sensor Polycarb Enclosure

Polycarbonate enclosure designed to withstand temperature extreme, mechanical shock and vibration. 304 SS probe crimp attached to the enclosure flange for a low profile mating surface, external mounting bracket to conform to irregular surfaces, single screw cover attachment, are some of the features which improve reliability and lower installation cost. MT-702-A temperature sensors provide a cost effective and reliable solution for air handlers, fan coil units, ducts, plenums, furnaces or any other application which does not require conduit wiring, Maximum temp 200°C.

MT-702-B



Temperature Sensor Aluminum Enclosure

Aluminum enclosure designed for all industrial and commercial duct temperature sensing applications. Hermitically sealed, fast response 304 SS probe crimped attached to the enclosure flange to provide a low profile mating surface, external mounting bracket to conform to uneven surfaces, some of the features which improve reliability and lower installation cost, Maximum temp 200°C.

Ordering Information: MT-702

Installation	Sensor*	Probe Length
A Polycarb Plastic Enclosure IP-54	1 100 ohm Platinum RTD	A 4 inches/100mm
B Galvanized Steel Enclosure NEMA-1/ IP-30	2 1,000 ohm Platinum RTD	B 6 inches/150mm
	3 1,000 ohm NTC thermistor	C 8 inches/200mm
	4 5,000 ohm NTC thermistor	D 12 inches/300mm
	5 10,000 ohm NTC thermistor	

Example : MT-702-A-2-D Polycarb plastic enclosure with 1000 ohm Platinum RTD and 12 inch probe length.

MT-703-A



Immersion Temperature Sensor Thermowell Adapter Mount

Incorporate a hermitically sealed 304 SS probe and a brass adapter with a compression sleeve providing a rugged assembly for immersion temperature sensing if field adjustable insertion depth is desired. The brass adapter is screwed in to the thermowell, compression sleeve is loosened, probe inserted to desired length and the sleeve is tightened. Sensor has 6ft/1.8m plenum rated cable for remote termination. MT-704-A sensors provide a cost effective and reliable solution for hot/ chilled water condenser water or low pressure steam applications which require adjustable insertion length, Maximum temp 200°C.

MT-703-B



Immersion Temperature Sensor Polycarb Enclosure

Polycarbonate enclosure designed to withstand temperature extreme, mechanical shock and vibration. 304 SS probe crimp attached to the enclosure for a low profile mating surface. Patented locking thermowell adapter, single screw cover attachment, are some of the features which improve reliability and lower installation costs. MT-703-B sensors provide a cost effective and reliable solution for hot/ chilled water, Maximum temp 200°C.

Ordering Information: MT-703

Installation	Sensor*	Probe Length	Adapter
A Immersion style with adapter	1 100 ohm Platinum RTD	A 4 inches/100mm	1 1/8" NPT
B Polycarb Plastic Enclosure IP-54	2 1,000 ohm Platinum RTD	B 6 inches/150mm	2 1/4" NPT
C Aluminum Enclosure NEMA-1/ IP-30	3 1,000 ohm NTC thermistor	C 8 inches/200mm	3 1/2" NPT
	4 5,000 ohm NTC thermistor		
	5 10,000 ohm NTC thermistor		

Example: MT-703-A-3-A-3: Immersion style with 1/2" adapter, 1,000 ohm Thermistor and 4 inch probe.

MT-704-A**Surface Temperature Sensor Strap On Probe Enclosure**

Incorporates a 2" 304 SS probe with a 6ft/1.8m plenum rated cable for pipe surface temperature sensing, Nylon ties are provided to secure the probe to the pipe. MT-704-A provides a cost effective and reliable solution for surface contact temperature measurement of conditioned water pipes, low pressure steam or refrigerant line, Maximum temp 200°C.

MT-704-B**Surface Temperature Sensor Polycarb Enclosure**

Polycarbonate enclosure designed to withstand temperature extreme, mechanical shock and vibration. Fast response brass contact sensor attached to the enclosure for a low profile mating surface, mounting bracket for pipe clamp installation, single screw cover attachment, are some of the features which improve reliability and lower installation costs, Maximum temp 200°C.

MT-704-C**Surface Temperature Sensor Aluminum Enclose**

Standard Aluminum enclosure designed for all industrial and commercial surface temperature sensing applications. Fast response brass contact sensor attached to the enclosure for a low profile mating surface, Maximum temp 200°C.

Ordering Information: MT-704

Installation	Sensor*
A Surface Mount Strap-on	1 100 ohm Platinum RTD
B Polycarb Plastic Enclosure IP-54	2 1,000 ohm Platinum RTD
C Aluminum Enclosure NEMA-1/ IP-30	3 1,000 ohm NTC thermistor
	4 5,000 ohm NTC thermistor
	5 10,000 ohm NTC thermistor

Example: MT-704-C-1: NEMA-1 Enclosure with 100 ohm Platinum RTD surface mount sensor.

MT-705

Duct Averaging Temperature Sensor



Two probe construction options-3/8” (9.53mm) bendable thin wall copper probe. MT-705-A incorporates rugged copper sensor strain reliefs. Available with plastic Aluminum to cover all applications, Maximum temp 200°C.

Ordering Information: MT-705

Installation	Sensor*	Probe Length	Adapter
A Polycarb plastic PVC Box Enclosure	1 100 ohm Platinum RTD	A 6 feet/1.8m	1 Bendable 3/8” Copper
B Aluminum Enclosure NEMA-1/IP-30	2 1,000 ohm Platinum RTD	B 12 feet/3.6m	
C Thermocouple Head	3 1,000 ohm NTC thermistor	C 24 feet/7m	
	4 5,000 ohm NTC thermistor		
	5 10,000 ohm NTC thermistor		