



## mTS015

### THREADED BRASS TEMPERATURE SENSOR



- 3/8"-16 threaded brass rod, complete with single lock nut
- Brass housing is standard - stainless steel is available for corrosive applications
- 6'6" (2m) of durable UL 2517 TPE cable with UV protection
- Intrinsically Safe when used with the mBC083 Bus Converter
- Each sensor has a unique permanent digital address
- RJ11 modular jack for easy connection to CMC Field Interconnect Box (FIB)
- No calibration required

The mTS015 is a digital single-wire temperature sensor enclosed in a threaded brass rod for use in harsh environments. The mTS015 sensor's recommended operating range is -40°F to +225°F (-40°C to +107°C) and it is rated as Intrinsically Safe when used with the mBC083 Bus Converter.

The temperature sensor uses a single-wire data communications bus. Up to 32 sensors can be connected in parallel to a single Bus Converter. The sensor bus has a fully specified cabling system

complete with terminal assemblies and uses low cost CAT5/6 cabling and punch down blocks for easy termination. Each sensor has a unique serial number identifying it to the Bus Converter. No sensor calibration is required.

Typical applications include temperature sensing on rub blocks used on belt conveyors and bucket elevators.



# mTS015

## THREADED BRASS TEMPERATURE SENSOR

SPECIFICATIONS	DESCRIPTION	CHARACTERISTIC
IS SENSOR BUS	Voltage	5 VDC
	Current	1.5 mA maximum
	Communications	Single-Wire Bus
ENVIRONMENT	Recommended Operating Range	-40°F to +225°F (-40°C to +107°C)
	Absolute Maximum Range	-65°F to +255°F (-55°C to +124°C)
	Relative Humidity	0 to 100% sensor end
DIMENSIONS	Length	3" (76mm)
	Thread Length	1.75" (45mm)
	Sensor diameter	0.375" (9.5mm)
	Mounting Hole	3/8"-16 thread (lock nut included)
	Cable length	6'6" (2m)

mTS015-SS stainless steel sensor available for corrosive applications