



## **mTS011**

### **LUG MOUNT TEMPERATURE SENSOR**



- Tin plated copper mounting lug
- 3/8" (M10), 1/2" (M12) to 3/8" (M10) and 1/4" (M6) mounting lug sizes available
- 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 mTS011 is a single-wire temperature sensor in a rugged tin plated copper lug for use in harsh environments. The sensor's recommended operating range is from -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 bearings, motors and other general industrial equipment applications.



# mTS011

## LUG MOUNT 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 (-54°C to +124°C)
	Relative Humidity	0 to 100% sensor end
DIMENSIONS	Length	2.5" (64mm)
	Width	0.6" (15mm)
	Height	0.5" (12mm)
	Mounting Hole -3/8 version	0.406" (10.3mm) for 3/8" (M10) bolt
	Mounting Hole -1/2 version	0.562" (14.2mm) for 1/2" (M12) bolt
	Mounting Hole -1/4 version	0.281" (7.1mm) for 1/4" (M6) bolt
Cable Length	6'6" (2m)	

mTS011-3/8 Single Lug Mount Temperature Sensor 3/8" (M10) mount

mTS011-1/2 Single Lug Mount Temperature Sensor 1/2" (M12) mount

mTS011-1/4 Single Lug Mount Temperature Sensor 1/4" (M6) mount