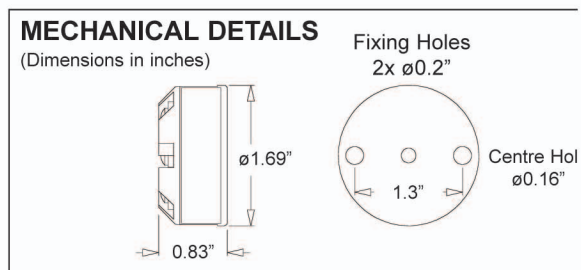
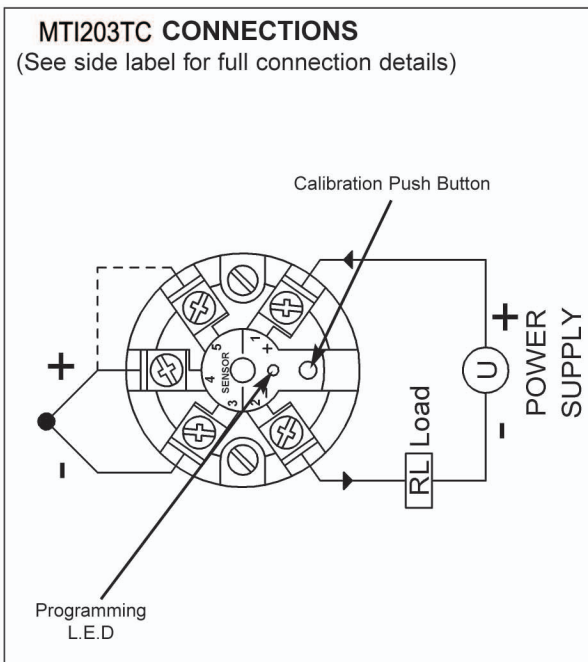


SPECIFICATION @ 68°F
INPUT / OUTPUT SENSORS AND RANGES

INPUT	MTI203TC
Sensor & Ranges	MTI203TC-1 K -328 to 2498°F J -328 to 2192°F T -328 to 752°F MTI203TC-2 R 0 to 3200°F S 0 to 3200°F B 0 to 3308°F MTI203TC-3 J -328 to 2192°F F -328 to 2192°F E -328 to 1832°F (*Other combinations available to special order)
Default Range	203-1/ K 0 to 1832°F 203-2/ R 0 to 2912°F 203-3/ J 0 to 1832°F
Accuracy	±0.04% FS, ±0.04%rdg or 0.9°F (whichever is greater)
Linearization	BS4937 / IEC 584-1
Input/ Output Isolation	50V DC (tested to 200V)
Cold Junction Error	±0.3°F
Cold Junction Tracking	0.05°F/°F
Cold Junction Range	-4 to 158°F
Thermal Drift	Zero ±2.3uV/°F Typical Span 100ppm
Sample Rate	500mS per sample
Minimum Span	20°F
Sensor Lead Length	Max length 10 feet to maintain CE compliance
Terminals	Screw Terminals

OUTPUT	4-20mA, 2 wire loop powered
Max Output Range	3.8 to 22mA
Operating Voltage	8 to 30V DC
Accuracy	±5uA
Burnout	Up-scale 22mA (down scale to order) Red programming LED comes on when temperature is outside operating range
Thermal Drift	0.17uA/°F
Response Time	500mS to reach 70% of final value
Loop Resistance	Max. 800R at 24V DC
Loop Sensitivity	0.4uA/ volt
Protection	Reverse connection protected
Terminals	Screw Terminals
Warm-up Time	2 minutes to full accuracy
Display	Slow flash indicates programming mode. Full on indicates out of range sensor. Momentary Push Button
Switch	
APPROVALS	
EMC	Emmissions BS En50081-1 Susceptibility BS EN50082-2
ENVIRONMENTAL	
Operating Temp. Range	-4 to 158°F
Ambient Humidity	0 to 95% (non condensing)
Ambient Storage Temp.	-40 to 194°F
ENCLOSURE	
Material	ABS
Flammability	UL 94 HB
Calibration Period	12 months to maintain Published Specification
Warranty	5 years to twice specification



ORDER CODE

MODEL	SENSOR
MTI203TC	MTI203TC -1: Thermocouple K, J, & T MTI203TC -2: Thermocouple R, S, & B MTI203TC -3: Thermocouple J, F, & E

For SEM203TC Special Configuration Ranges, and Downscale Burnout, please contact the Sales Office.

Every effort has been taken to ensure the accuracy of this specification, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.