

2-Wire Miniature Universal Temperature/Process Transmitters

ETM Specifications

Parameter	ETM1 Non-Isolation	ETM2 Isolation
Typical Accuracy:	±0.15% of span	±0.10% of span
Galvanic Isolation:	No	1500 Vac, 1 min.
Thermocouple Types:	J, K, E, B, C, L, N, R, S, T, U	
RTD Types, 3 & 4 wire:	PT100 IEC α=0.00385, PT1000 IEC α=0.00385 and others; Consult Tempco	
Input mV:	N/A	-10 to +500 mV
Potentiometer / Resistance:	N/A	3/4 wire, 0-2000 Ω
Maximum T/C Wire Resistance:	500 Ω	500 Ω
Power Supply:	6.5 to 36 Vdc	6.5 to 36 Vdc
Output	4 to 20mA, 20-4mA	4 to 20mA, 20-4mA
Linearity Thermocouple:	±0.2%	±0.2%
Linearity RTD:	±0.1%	±0.1%
Sensor Break Monitoring:	Upscale or Downscale, Programmable	
Minimum Span Calibration		
T/C:	2 mV	2 mV
RTD:	18°F/10°C	18°F/10°C
Potentiometer:	N/A	10 Ω
Temperature Operation & Storage:	-40° to +185°F/-40° to +85°C	
Relative Humidity:	0 to 95%, non-condensing	
Mounting:	DIN B connection head or larger	
Protection: Housing/Terminals:	IP 65/IP 00	IP 50/IP 10

Common Pre-Programmed Miniature Temperature Transmitters

Part Number	Version/Isolation	Input	Range		Unit
			Zero	Span	
ETM20103	ETM1/no	K tc	0	200	°F
ETM20104	ETM1/no	J tc	0	200	°F
ETM20105	ETM2/yes	RTD	0	200	°F
ETM20106	ETM1/no	K tc	0	500	°F
ETM20107	ETM1/no	J tc	0	500	°F
ETM20108	ETM2/yes	RTD	0	400	°F
ETM20109	ETM1/no	K tc	0	200	°C
ETM20110	ETM1/no	J tc	0	200	°C
ETM20111	ETM1/no	K tc	0	400	°C
ETM20112	ETM1/no	J tc	0	400	°C

Un-Programmed Miniature Transmitters

ETM20001	For Non-Isolated Version
ETM20002	For Isolated Version

Universal Field Programming Kit

For programming Tempco transmitters for sensor type and range. Includes USB Interface and, all required cables and software. Includes hard carrying case. Connects to a USB port on the PC. Compatible with 32 or 64 bit Windows XP (SP2+), Vista, Windows 7, 8, 8.1, or 10.

Part Number: **ETM90006**

Lite Field Programming Kit

For programming ETM20001, ETM20002, miniature head mounted non-isolated and isolated transmitters for sensor type and range. Includes USB Interface and all required cables and software. Includes storage bag. Connects to a USB port on the PC. Compatible with 32 or 64 bit Windows XP (SP2+), Vista, Windows 7, 8, 8.1, or 10.

Part Number: **ETM90007**



Note: For dimensions and wiring information, see page 12-48.

All Items Available from Stock

Ordering Information

Order a common unit by part number from the table or create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements and a part number will be assigned, or choose a pre-assigned configuration.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.