

### 2-Wire Panel Rail Mount Universal Temperature/Process Transmitters

#### ETR Specifications

Parameter	ETR1 Non-Isolation	ETR2 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 $\alpha=0.00385$ , PT1000 IEC $\alpha=0.00385$ and others; Consult Tempco	
Input mV:	N/A	-10 to +500 mV
Potentiometer / Resistance:	N/A	3/4 wire, 0-2000 $\Omega$
Maximum T/C Wire Resistance:	500 $\Omega$	500 $\Omega$
Power Supply:	8 to 32 Vdc	8 to 30 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 $\Omega$
Temperature Operation & Storage:	-4° to +158°F/-20° to +70°C	
Relative Humidity:	0 to 95%, non-condensing	
Mounting:	DIN, 35 mm (for DIN rail see page 13-95)	
Protection: Housing/Terminals:	IP 20	IP 20

#### Common Pre-Programmed Rail Mount Temperature Transmitters

Part Number	Version/Isolation	Input	Range		Unit
			Zero	Span	
ETR20101	ETR1/no	K tc	0	200	°F
ETR20102	ETR1/no	J tc	0	200	°F
ETR20103	ETR2/yes	RTD	0	200	°F
ETR20104	ETR1/no	K tc	0	500	°F
ETR20105	ETR1/no	J tc	0	500	°F
ETR20106	ETR2/yes	RTD	0	400	°F
ETR20107	ETR1/no	K tc	0	200	°C
ETR20108	ETR1/no	J tc	0	200	°C
ETR20109	ETR1/no	K tc	0	400	°C
ETR20110	ETR1/no	J tc	0	400	°C

#### Un-Programmed Rail Mount Transmitters

**ETR20001** For Non-Isolated version  
**ETR20002** 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 ETR20001, ETR20002, DIN rail mount 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 12-49.

*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](http://www.P65Warnings.ca.gov).