

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 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:	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 Ω
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.