



TRPI-48
4-20mA / 0-20mA / 0-10V

General Description

MECO TRPI-48 is a 4 Digit Triple Range Programmable Process Indicator having three input ranges in the same meter. These input ranges are programmable by the user. The display from -1999 to 9999 is also User Programmable. Thus the user has a wide choice of inputs and displays which makes this meter truly flexible and versatile for applications in Process Industry, Automation, Refinery Plants, Variable Drives, Process Equipment etc.

Features

- 3 Input Ranges in One Meter (User Programmable)
- Decimal Point : Selectable
- 9999 Count (Max.) High Resolution Display
- User Programmable Display -1999 to 9999
- Zero & Span Adjustment through Software
- High Accuracy Across the Entire Range

Specifications

- **Maximum Display** 4 Digit, 9999 (Max), 7 Segment 0.56" LED Display
- **Input Signal** 4 - 20mA DC, 0 - 20mA DC & 0 - 10V DC (User Programmable)
- **Display Range** -1999 To 9999 (Scale Display can be set from -1999 to 9999)
- **Accuracy** ±0.5% of FSD
- **Aux. Supply** 85 - 265V AC/DC (Standard)
19 - 90V AC/DC (Optional) @ 50/60 Hz
- **Resolution** 0.001 - 1 Count depending on Range / Scale Display
- **Overload Indication** -OL-
- **Underload Indication** -UL- (for 4-20mA DC)
- **Sampling Rate** 3 Samples / Second
- **Maximum Overload** Voltage : 1.2 Times Continuous
Current : 1.2 Times Continuous
- **Faceplate / Lens** Red Antiglare Faceplate with Annunciators
- **Mounting Clamps** Sturdy, Moulded Derlin with Suitable Hardware
- **VA Burden** Auxillary : ≤ 1.5VA
Voltage Input : ≤ 0.5VA
Current Input : ≤ 0.5VA
- **Environmental Conditions** 0 to 55°C, <70% RH (Operation)
-10 to 70°C, <70% RH (Storage)
27°C ± 5°C (Calibration)
- **Dielectric Strength** 2.5KV @ 50Hz for 1 minute between Input-Auxiliary & Case-Terminals
- **Impulse Withstand** 3.5kV, 1.2 / 50µ seconds
- **Case / Housing Material** Black ABS, Dimension as per DIN 43700
- **Connectors** Terminal Block : Thermoplastic (UL 94V - 0) with Tin plated Brass Terminals
- **Display Stability** Within ± 2 Digits

Model	Input	Triple Range (User Programmable)	Programmable Display Key	Aux Supply	Accuracy	Digits (max.)	Digit Height
						4	0.56" / 14.2mm
TRPI-48	DC	4 - 20mA, 0 - 20mA & 0 - 10V	✓	85-265V AC / DC (Standard) OR 19-90V AC / DC (Optional) @50/60Hz	± 0.5% of FSD	✓	✓

Ordering Information : Model, Input Range, Auxiliary Supply & Scale Display

Terminal Connection

INPUT	0-20	0-10V	SR	AUX SUPPLY 85-265V AC/DC	
	mADC	COM			VDC
	1	2	3	4	5

ACC : ± 0.5% FSD
PROG. DISPLAY : -1999 TO 9999