



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 | 0.56" / 14.2mm 4 Digit, 9999 (Max),
7 Segment 0.56" LED Display | ● Mounting Clamps | Sturdy, Moulded Derlin with Suitable Hardware |
| ● Input Signal | 4 - 20mA DC, 0 - 20mA DC & 0 - 10V DC
(User Programmable) | ● VA Burden | Auxillary : ≤ 1.5VA
Voltage Input : ≤ 0.5VA
Current Input : ≤ 0.5VA |
| ● Display Range | -1999 To 9999 [Scale Display can be set
from -1999 to 9999] | ● Environmental Conditions | 0 to 55°C, <70% RH (Operation)
-10 to 70°C, <70% RH (Storage)
27°C ± 5°C (Calibration) |
| ● Display Stability | Within ± 2 Digits | ● Dielectric Strength | 2.5KV @ 50Hz for 1 minute between
Input-Auxiliary & Case-Terminals |
| ● Accuracy | ±0.5% of FSD | ● Impulse Withstand | 3.5kV, 1.2 / 50μ seconds |
| ● Aux. Supply | 85 - 265V AC/DC (Standard)
19 - 90V AC/DC (Optional) @ 50/60 Hz | ● Case / Housing Material | Black ABS, Dimension as per DIN
43700 |
| ● Resolution | 0.001 - 1 Count depending on
Range / Scale Display | ● Connectors | Terminal Block : Thermoplastic
(UL 94V - 0) with Tin plated Brass
Terminals |
| ● Overload Indication | -OL- | ● Faceplate / Lens | Red Antiglare Faceplate with Annunciators |
| ● Underload Indication | -UL- (for 4-20mA DC only) | | |
| ● Sampling Rate | 3 Samples / Second | | |
| ● Maximum Overload | Voltage : 1.2 Times Continuous
Current : 1.2 Times Continuous | | |

Model	Input	Triple Range (User Programmable)	Programmable Display Key	Aux Supply (Any One Only)	Accuracy
TRPI-48	DC	4 - 20mA, 0 - 20mA & 0 - 10V	✓	85-265V AC / DC (Standard) OR 19-90V AC / DC @50/60Hz (Optional)	± 0.5% of FSD

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

NOTE : IP54 Protection (optional) available on request. Default Input Range and Default Scale Display is 4 - 20mA DC.

Standard : As per IS 13875

Terminal Connection

INPUT	0-20 4-20	0-10V	SR	AUX SUPPLY 85-265V AC/DC
	mADC	COM		
	1	2		
		VDC		
		3		
			△ ACC : ± 0.5% FSD	
			PROG. DISPLAY : -1999 TO 9999	
				N/- P/+
				4 5