

Head Mounted Universal Temperature Transmitter (HART)

Special Features:

- Programmable Universal Input (RTD / Ω / Thermocouples / mV / V)
- Linear Signal Output
- Current Loop Powered
- PC Based Configuration via USB Cable
- High Accuracy and Repeatability



Applications:

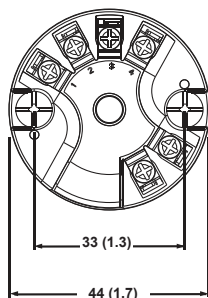
Food & beverage, pharmaceutical, chemical & petrochemical industries, conventional & nuclear plants, pumps, presses, turbines, hydro-cleaning machines, diesel engines & refrigerating plants.

Specifications:

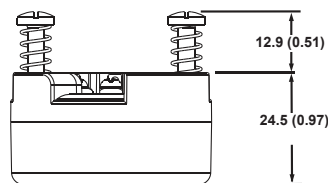
Input	RTD:	Pt-50, Pt100 (2W / 3W / 4W), Pt-500, Pt-1000
	Thermocouples:	Type B, E, J, K, N, R, S, T
	Ω	0 ~ 500 Ω , 0 ~ 4500 Ω
	mV	-120 ~ 120 mV, -1000 ~ 1000 mV
Output		4 - 20 mA, two wire HART superimposed
Accuracy		$\pm 0.1\%$ of the calibrated span
Storage Temp.		-40°C to 120°C
Operating Temp.		-40°C to 85°C
Calibration		Configuration with PC via USB Cable
Isolation		Input / Output Isolation Tested to 500 VAC rms (707 VDC) at 50 / 60 Hz
Loop Supply		24V DC nominal (12 to 36)V DC
Loop Resistance		600 Ω @ 24V DC
Burn Out		Upscale for RTD PT-100 / Thermocouples
Protection		IP68
Update Rate		0.5 sec
Turn On Time		5 sec after power is applied
Minimum Span		10 °C / 18 °F

Dimensions:

T648R Top View



T648R Side View



Dimensions are in millimeters (inches)

Wiring Drawing:

