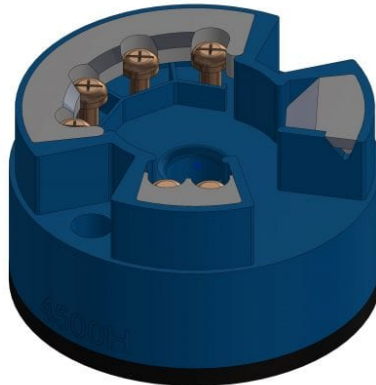


Product Data Sheet

4500H Temp Transmitter



The Model 4500H Sensor-Mate Programmable RTD Temperature Transmitter is a highly accurate, microprocessor based temperature transmitter.

The 4500H accepts a Pt 100 RTD input. The 4500H is loop-powered and provides a 4-20mA output signal.

Configure the 4500H with a PC and WeedComm Software.

The transmitter can also be mounted in virtually any enclosure or easily wall mounted.

An Optional Digital Display/Meter provides local indication of the process temperature in °F or °C; 0-100% of scale; or the 4-20mA output. The transmitter and display are mounted in a windowed, explosion-proof instrument enclosure.

- Low cost
- 0.08% accuracy
- Full input-output isolation
- Custom input/linearization capability
- Configurable via a PC or HART Communicator
- T/C Inputs: B, C, D, R, S, E, J, K, L, N, T, U
- RTD inputs: Pt100, Pt500, Pt1000, Ni100, Ni500, Ni1000
- mV Inputs: -10 to 75mV
- Ohm Inputs: 10 to 2000 ohms
- Outputs: 2-wire, 4-20mA or 20-4mA with optional HART signal superimposed
- Immediate shipment available!

Specifications

NAME	DESCRIPTION
Input Range:	Pt100, selectable range -328 to 1202F (-200 to +650C), minimum span 18F (10C)
Output:	Standard 4-20mA (Optional: 20 to 4mA)
Zero & Span Adjustments:	Using WeedComm Software can be set anywhere within sensor range. Zero and Span are non interacting.
Failsafe:	Standard: upscale (Optional: downscale)
Response Time:	1 second
Damping:	User settable from 0 to 8 seconds
Power Supply:	10 to 35VDC
Load Resistance:	$R_{Max} \text{ (ohms)} = (V_{Supply} - 10V) / .022A$
Accuracy:	For Pt100: .36F (0.2C) or 0.08% of span (whichever is greater)
Long Term Stability:	+/-0.05% of calibrated span per year
Temperature Limit:	-40F to 185F (-40C to 85C)
EMI/RFI Effect:	Conforms to European Union Directives (CE Mark)

Accessories

USB Interface Programming Cable

0453-001-4005

WeedComm Programming Software

0453-001-4001

Documents

NAME

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Instruction Manual

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