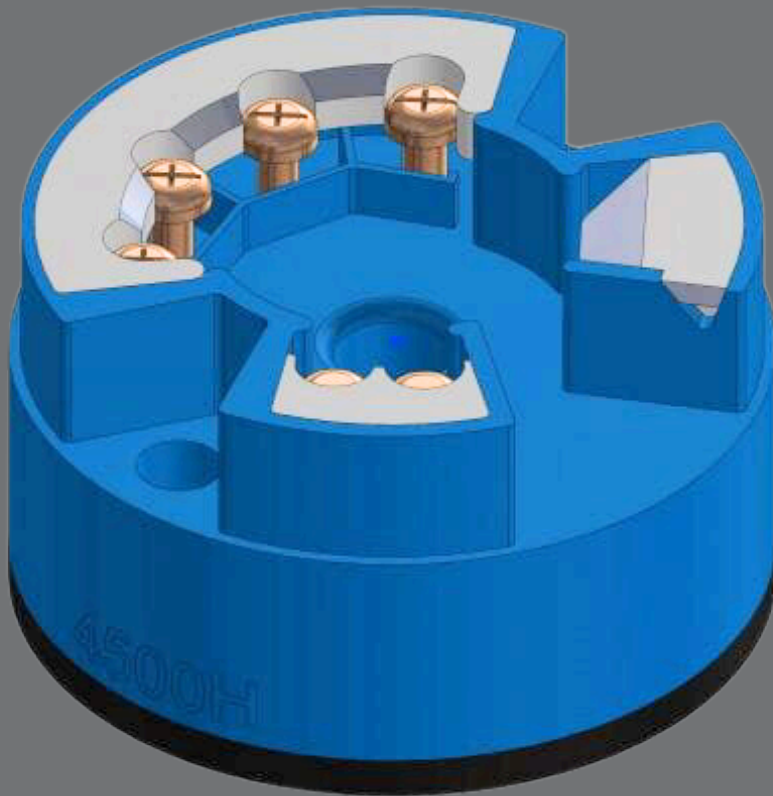


# 4500H temperature transmitter



## Overview

Microprocessor based, this sensor-mate PC programmable temperature transmitter is highly accurate. It accepts a Pt 100 RTD input, is loop-powered and provides a 4-20mA output signal. It can be mounted in virtually any enclosure or on a wall. An optional digital display provides indication of 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 enclosure.

## Key features

- 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
- Full instruction manual available on request



# Technical specification

Feature	Description
Input range	Pt100, selectable range -328 to 1202F (-200 to +650C), minimum span 18F (10C)
Output	Standard 4-20mA, with option of 20 to 4mA
Zero and span adjustments	Using software provided, it can be set anywhere within sensor range. Zero and Span are non interacting.
Failsafe	Standard upscale, with downscale option
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 greater
Long term stability	+/-0.05% of calibrated span per year
Temperature limit	-40F to 185F (-40C to 85C)
EMI/RFI effect	Conforms to EU Directives (CE Mark)
Acessories	Software and USB interface programming cable

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Curtiss-Wright Corporation (NYSE: CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding commercial power, process and industrial markets. We leverage a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships.