

HI-8666 Transmitter



This state-of-the-art solid-state sensor plugs into its wall-mounted receptacle for on-site, continuous monitoring of relative humidity and temperature in critical or controlled environments.

Two separate 4-20 mA analog signals which can be powered by a single external voltage source can be sent to remote panel meters, controllers, or data acquisition systems.

Applications include environmental chambers, HVAC installations, building management, clean rooms, calibration labs and museums. The HI 8666 has an accuracy of $\pm 2\%$ RH and $\pm 1\%$ °C.

It can be used in dusty environments by adding a furnished removable sintered-metal cap.

With its plug-in convenience, the unit can be quickly removed and replaced; so the cleaning or calibration checks cause no costly downtime in the production area.

Specifications:

HI 8666

Range	0% (4 mA) to 100% RH (20 mA) -20°C (4 mA) to +60°C (20 mA)
Resolution	$\pm 0.125\%$ RH, ± 0.02 mA $\pm 0.1^\circ\text{C}$ ± 0.02 mA
Accuracy	$\pm 2\%$ RH (5% to 80% RH); $\pm 4\%$ (80% to 90% RH) / $\pm 1.0\%$ °C
Response Time	6 seconds without sintered filter, 60 seconds with filter
Power Supply	12 to 24 volts VDC for each signal (external not-included) needed at undecal connector (accessory, not -inlcuded: HI 7164)
Environment	-4 to 140°F (-20 to 60°C)
Dimensions	3.1 x 1.9 x 5.5" (79 x 49 x 140 mm)
Weight	7 oz. (200 g)

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