

# HI 8666

## Compact Relative Humidity and Temperature Transmitter

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

The **HI 8666** has an excellent accuracy of  $\pm 2\%$  RH and  $\pm 1\%$  °C. Each 4-20 mA analog signal can be sent to remote panel meters, controllers, or data acquisition systems.

The signals are to be powered by separate external voltage sources.

Equipped with a removeable sintered cap, the **HI 8666** sensor is well protected for the long run against the effects of dust or unclean environments.

With the filter removed, the response time is greatly reduced.

However, in some applications, such as food and industry, reliability rather than response time is the primary objective.

With the filter installed, the life of the sensor and the instrument is prolonged and less maintenance is required.



### Specifications

<b>HI 8666</b>		
Range	RH	0% (4 mA) to 100% (20 mA)
	temperature	-20°C (4 mA) to 60°C (20 mA)
Precision	RH	$\pm 2\%$ (5% to 95% RH)
	temperature	$\pm 1\%$ F.S.
Response Time		6 seconds without sintered filter; 60 seconds with filter
Power Supply		10-30 Vdc
Environment		0 to 60°C
Panel Cutout		73 x 42 mm (2.9 x 1.6")
Dimensions		79 x 49 x 150 mm (3.1 x 1.9 x 5.9")
Weight		150 g (5.3 oz.)

### Accessories

HI 7102	Calibration chamber	HI 7121/P	Spare saturation NaCl salts for high humidity calibration
HI 7111/P	Spare saturation LiCl salts for low humidity calibration (15 g, 6 pcs)	HI 710011	(33 g, 6 pcs) Probe sintered cap

### Ordering Information

HI 8666 is supplied complete with sensor protective cap, mounting brackets and instructions.