

Two-ring

Four-ring

**Ordering Information**

Each conductivity and temperature probe is supplied with probe quality certificate and instruction manual.

**HI7630 - [y][8][z][z]****Choose your configuration:**

y	<b>2</b> Two-electrode cell conductivity, stainless steel, cell constant $k \approx 0.1/\text{cm}$
	<b>4</b> Four-ring conductivity, platinum on glass, cell constant $k \approx 1/\text{cm}$
8	Smart probe, with RS485 connection
zz	00, 05, 10, 15, 25, 50 attached cable length (meters) The HI7630-Y800 models are supplied without cable. See Accessories section for extension cable ordering codes.

**Specifications HI7630-2805 - Configured Example**

Range*	EC: 0 to 20.00 mS/cm TDS: 0 to 10.00 g/L RES: 50 $\Omega$ to 99.9 M $\Omega$ • cm
Accuracy	$\pm 2\%$ of reading ( $\pm 0.01 \mu\text{S}/\text{cm}$ or 1 digit, whichever is greater)
Temperature	0.0 to 50.0 °C (32.0 to 122.0 °F)
Temperature accuracy	$\pm 0.5 \text{ °C} / 1.0 \text{ °F}$
Temperature compensation	Automatic, manual, without compensation
Body	PVDF
Sensor	2 electrode, stainless steel
Maximum pressure	6 bar
Threaded connection	3/4" NPT external thread for insertion mounting
Cable length	5 m (16'5")

\* Actual conductivity

**Specifications HI7630-4805 - Configured Example**

Range*	EC: 0 to 999.9 mS/cm TDS: 0 to 400.0 g/L RES: 1.0 $\Omega$ to 99.9 M $\Omega$ • cm NaCl: 400.0 %NaCl, 42 PSU NaCl, 80 ppt NaCl
Accuracy	$\pm 2\%$ of reading ( $\pm 0.01 \mu\text{S}/\text{cm}$ or 1 digit, whichever is greater)
Temperature	0.0 to 100.0 °C (32.0 to 212.0 °F)
Temperature accuracy	$\pm 0.5 \text{ °C} / 1.0 \text{ °F}$
Temperature compensation	Automatic, manual, without compensation
Body	PVDF
Sensor	Four-ring platinum
Maximum pressure	6 bar
Threaded connection	3/4" NPT external thread for insertion mounting
Cable length	5 m (16'5")

\* Actual conductivity

HI7630-28 Series • HI7630-48 Series

**Conductivity and Temperature Industrial Smart Probes**

*dedicated to the HI510 Universal Process Controller*

HI7630-28 and HI7630-48 series are Conductivity and Temperature probes designed to be paired with the Hanna Instruments HI510 Universal Process Controller.

Recommended for clean, noncorrosive water applications, the HI7630-28 series can be calibrated using a standard with a value close to the measurement value.

The HI7630-48 series provides an exceptionally stable measurement over a wide measure range and does not require frequent calibration. An integral temperature sensor measures the process temperature and adjusts the measured conductivity to a reference temperature by applying a temperature coefficient for linear compensation. The result is reliable electrical conductivity (EC), TDS, resistivity, or salinity in percent, PSU, or ppt units.

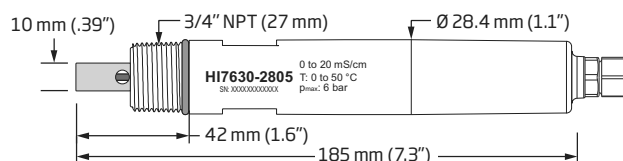
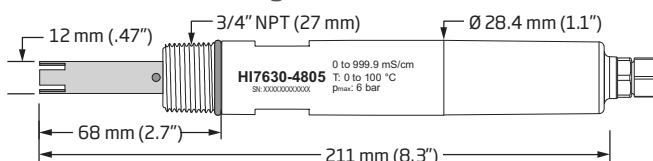
Probes can be installed directly in-line, immersed in a tank, or flow cell. The conductivity probes are suited for continuous measurement of conductivity and associated parameters required in applications such as water treatment, drinking water, feedwater condensate, or other clean water applications.

- Rugged, chemically-resistant PVDF (Kynar®) body
- 3/4" NPT external thread for mounting
- 6 bar (87 psi) maximum pressure
- Built-in temperature sensor for measurement and compensation
- Digital probe stores model, firmware, serial number, and calibration information

Two-ring



Four-ring

**Dimensions Two-ring****Dimensions Four-ring**

See compatible probe extension cables on page 15.56, see additional mounting accessories on page 15.25, see probe holders on page 15.126 and 15.127.

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