

### HI7638 Tank Conductivity Probe

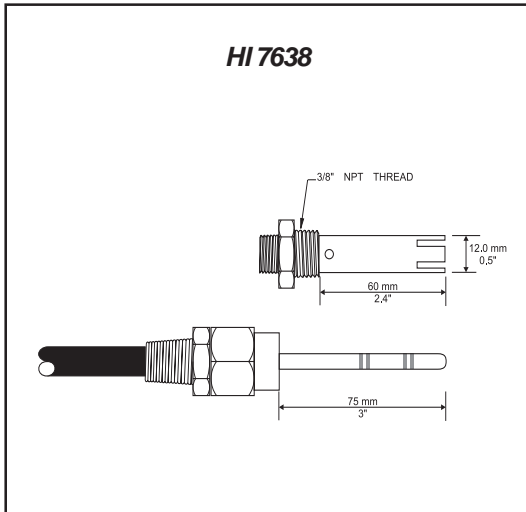
HI 7638 conductivity probe combines the proven 4-ring potentiometric method of measuring conductivity with the platinum sensor and stainless steel external thread.

This method incorporates a series of four platinum rings into the probe shaft and is highly accurate requiring very little maintenance.

The removable plastic cover resists the harmful effect of most chemicals and can be unscrewed for quick and simple maintenance.

This probe can withstand temperatures of up to 120°C (248°F) and pressure of up to 5 bar (72.5 psi).

This probe is supplied complete with a 7-pin DIN connector.



## SPECIFICATIONS HI 8931 & HI 943500

Range HI 8931A - HI 943500A HI 8931B - HI 943500B HI 8931C - HI 943500C HI 8931D - HI 943500D	0.0 to 199.9 mS/cm 0.00 to 19.99 mS/cm 0 to 1999 $\mu$ S/cm 0.0 to 199.9 $\mu$ S/cm
Accuracy (@20°C/68°F)	$\pm 2\%$ of Full Scale excluding probe error
Typical EMC Deviation	$\pm 2.5\%$ of Full Scale $\pm 0.4$ mA
4-20mA INPUT from Transmitter HI 8931A HI 8931B HI 8931C HI 8931D HI 943500	HI 8936 A or AL (not included) HI 8936 B or BL (not included) HI 8936 C or CL (not included) HI 8936 D or DL (not included) ---
Conductivity Probe	HI 7635 for in-line applications or HI 7638 for tank (not included)
Calibration	Manual, 2 point, through offset and slope trimmers
Temp. Compensation HI 8931 HI 943500	See transmitter HI 8936 Automatic, 0 to 60°C with $\beta = 2\%$
Recorder Output	4 to 20 mA (isolated)
Set Point Relay and Alarm Relay	Isolated, 2A, Max. 240V, resistive load, 1,000,000 strokes
Power Supply	115 or 230 Vac $\pm 10\%$ (user selectable); 50/60 Hz
Environment	-10 to 50°C (14 to 122°F); RH 95%
Panel Cutout	141 x 69 mm (5.6 x 2.7")
Weight	1 kg (2.2 lb.)
Enclosure	DIN 43 700, 144x72 mm (5.7x2.8"), black anodized aluminum; front and back with shockproof ABS plastic, and transparent cover