



Model 88/88RD Submersible Transducer

- Standard Pressure Outputs: 4-20 mADC, 0-10 VDC, 0-5 VDC, mV/V
- 0.5% & 0.2% BFSL (Standard) - 0.1% BFSL includes 16 Point Calibration with Certificate
- 1/4" NPT and Nose Cone process connections standard – contact factory for other options
- Standard ranges from 0-1 psi to 0-500 psi
- Low pressure/compound pressure ranges available – contact factory
- Duplicate any customer's process and electrical connection for transparent replacement



FEATURES:

Hytrel ® Jacketed Cable

Corrosion Resistant – 316 Stainless Steel

RFI/EMI Protection on every unit

Rugged Design

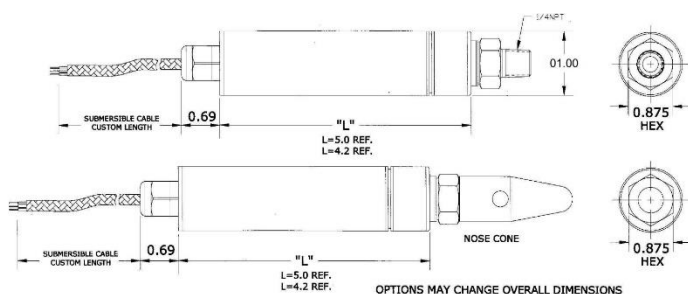
Wide Operating Temperatures

Compatible with Wide Variety of Liquids

Model 88RD available with reduced body diameter (1.00" OD)

1/2" NPT Conduit Connection Standard

REFERENCE DIMENSIONS:





Model 88/88RD Submersible Transducer

Ordering Guide: 88-A-(0-15PSI)-2-D-5-SCV
88RD-A-(0-15PSI)-2-D-5-SCV

A	(0-15PSI)	2	D	5	SCV
PRESSURE PORT	RANGE ¹	TYPE	PRESSURE OUTPUT	ACCURACY (BFSL)	CONNECTOR ²
A = 1/4" MNPT	PSI	1 = ABSOLUTE	D = 4-20 mA	5 = 0.5%	SCV = VENTED CABLE ³
B = NOSE CONE	INCHES WC	2 = GAUGE	E = 0-5 VDC	2 = 0.25%	SCN = NON-VENTED CABLE ³
C = OTHER	BAR	4 = SEALED	F = 0-10 VDC	1 = 0.1%	
		6 = OTHER	M = mV/V		

¹ OTHER RANGES AVAILABLE, CONSULT FACTORY

² UNITS SUPPLIED WITH 1/2" MNPT CONDUIT CONNECTIONS AS STANDARD

³ HYTREL STANDARD CABLE JACKET – OTHERS AVAILABLE ON REQUEST

TYPICAL APPLICATIONS

Ground Water Level Measurement	Concrete Dams
Liquid Tanks	Irrigation
Environmental Sites	Wastewater Canals

Electrical Data

Excitation: 9-36 VDC (4-20 mA), 13-36 VDC (0-5V, 0-10V)

Current Consumption: < 5 mADC

Zero Offset: $\leq \pm 0.25\%$ of FS

Span Tolerance: $\leq \pm 1.0\%$ of FS

Output Load: >10K Ω

Reverse Polarity Protection: Yes

Physical Data

Sensor

Wetted Material: 316 SS

Housing: 316 SS

Connections

Pressure: 1/4" MNPT, Bullet-Nose, Standard Nose

Electrical: Vented and Non-vented Cable

Environmental Data

Temperature

Operating: -40°C to 85°C

Storage: -50°C to 125°C

Thermal Limits

Compensated Range: 1°C to 55°C

Thermal Effect Zero: $\leq \pm 1.0\%$ FS

Thermal Effect Span: $\leq \pm 1.0\%$ FS

Performance @ 25 °C

Accuracy: $< \pm 0.5\%$ BFSL to 0.1% BFSL⁴

Stability: (2 year): $< \pm 0.05\%$ FSO, Typical

Overpressure Protection: 2X Rated Pressure

Burst Pressure: 2.5X Minimum

Pressure Cycles: > 50 Million

Temperature Range: 1°C to +40°C

Temperature Accuracy: $\pm 1^\circ\text{C}$

⁴ Accuracy includes non-linearity, hysteresis and non-repeatability