



## **Model 80T Titanium Submersible Pressure Transducer**

- Compact size perfect for most installations
- 4-20mA Output
- Pressure ranges 0-5, 0-10 and 0-15 PSIG
- Accuracies of 1.0%, 0.5% and 0.2% available. (0.1% on application)
- Long-term stability
- Titanium construction for corrosive service
- Designed for hazardous area installation (intrinsic safety barrier required – approvals pending)

CE

### **Performance @ 25°C (77°F)**

Accuracy:  $\pm 1.0\%$  BFS (optional 0.5%, 0.2%, 0.1%)

Stability:  $< \pm 0.2\%$  FS/year, typical

Over pressure protection: 2X Rated Pressure

Burst Pressure: 2.5X minimum

Pressure Cycles: >50 Million

### **Environmental Data**

Operating temp: -20 to +80°C (-40 to +176°F)

Storage temp: -50 to +125°C (-60 to +250°F)

Compensated range: 0 to 55°C (+32 to +130°F)

### **Electrical Data**

Supply voltage: 9-29 Vdc for 4-20mA

Electrical rating: IEC Ex ia IIC T5 – Nema 4X

Loop resistance @ 24 Vdc: 500 Ohm

Zero offset:  $< \pm 1.0\%$  of FS

Span tolerance:  $< \pm 1.0\%$  of FS

### **Physical data**

Sensor wetted material: Titanium

Body material: Titanium

Cable pull strength: 200 lb.

Pressure connection: Bullet-nose

Electrical Connection: Molded, vented submersible cable  
(Polyethylene outer jacket)





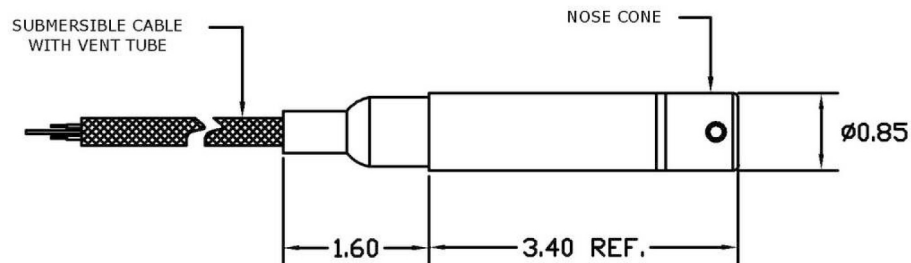
## **Model 80T Titanium Submersible Pressure Transducer**

### **Ordering information:**

<b>Part number</b>	<b>Description</b>	<b>Output</b>	<b>Cable</b>
80T054250-1	Titanium construction, bullet nose, 0-5 PSIG, 1% BFSL	4-20mA	50 Ft
80T054250-5	Titanium construction, bullet nose, 0-5 PSIG, 0.5% BFSL	4-20mA	50 Ft
80T054250-2	Titanium construction, bullet nose, 0-5 PSIG, 0.2% BFSL	4-20mA	50 Ft
80T104250-1	Titanium construction, bullet nose, 0-10 PSIG, 1% BFSL	4-20mA	50 Ft
80T104250-5	Titanium construction, bullet nose, 0-10 PSIG, 0.5% BFSL	4-20mA	50 Ft
80T104250-2	Titanium construction, bullet nose, 0-10 PSIG, 0.2% BFSL	4-20mA	50 Ft
80T154250-1	Titanium construction, bullet nose, 0-15 PSIG, 1% BFSL	4-20mA	50 Ft
80T154250-5	Titanium construction, bullet nose, 0-15 PSIG, 0.5% BFSL	4-20mA	50 Ft
80T154250-2	Titanium construction, bullet nose, 0-15 PSIG, 0.2% BFSL	4-20mA	50 Ft

Optional accuracy of 0.1% available – Consult factory for availability

### **Dimensions:**



Dimensions subject to change with options

### **Typical Applications:**

- Ground Water Monitoring
- Wet-well Monitoring
- Ocean research
- Soil remediation
- Level Control
- Surface Water Monitoring

