

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)



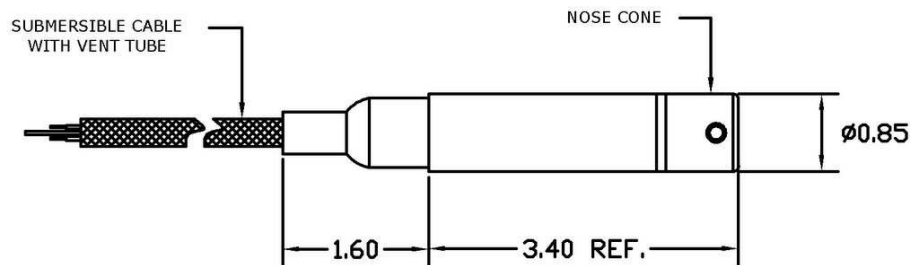
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Ordering information:

Part number	Description	Output	Cable
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

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