

Model P882BC Submersible Transducer

- **Outputs: 4-20mA (Optional 0-5 Vdc, 0-10 Vdc and mV/V)**
- **Standard accuracy of 0.25% BFSL (optional accuracies to 0.1%)**
- **Built-in, lightning and surge protection**
- **Unparalleled long-term stability**
- **1/2" MNPT conduit connection supplied as standard**
- **Hytrek jacketed cable with integral vent tube**
- **Food-Grade Glycerin-filled system. Other fluid fills on application**



Performance @ 25°C (77°F)

Accuracy: $<\pm 0.25\%$ BFSL to 0.1% BFSL
Stability (2 year): $<\pm 0.10\%$ FSO, typical
Over pressure protection: 2X Rated Pressure
Burst Pressure: 5X minimum
Pressure Cycles: >50 Million
Temperature range: 1 to 40°C (33 to 104°F)
Temperature Accuracy: $\pm 1^\circ\text{C}$ ($\pm 1^\circ\text{F}$)
Response: ≤ 5 ms to 90%

Environmental Data

Storage temp: -50 to +125°C (-60 to +250°F)
Compensated range: 1 to 38°C (+33 to +86°F)
Temp comp Zero: $<\pm 1.0\%$ FS
Temp comp Span: $<\pm 1.0\%$ FS

Electrical Data

Excitation:

9-36 Vdc (4-20mA and 0-5 V output)
13-36 Vdc (0-10 V output)
(option C29: max 29 Vdc excitation)
5-10 Vdc (mV/V output)

Current consumption: <5 mA
Zero offset: $<\pm 0.25\%$ of FS
Span tolerance: $<\pm 1.0\%$ of FS
Output load: $>10\text{K}$ Ohm
Range cal signal: Internal resistor 100% FS, $\pm 5.0\%$ (optional)

Physical data

Wetted material: 316SS
Body material: 316SS

Electrical Connection: Hytrek jacketed vented cable
(alternate connections on application)

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Ordering guide – P882BC-15-D-25-SCV40

882BC Model	15 Range	D Output	25 Accuracy	SCV40 Connector
882BC	05 = 0-5 PSIG 10 = 0-10 PSIG 15 = 0-15 PSIG Other ranges available, consult factory	D = 4-20mA (Standard) E = 0-5VDC F = 0-10VDC M = mV/V	25 = 0.25% BFSL (Standard) 1 = 0.1% BFSL (Consult Factory)	SCV40= 40 Ft Vented Hytrel cable** SCVX = Custom cable length (Specify length) ECX=Other (Units supplied with ½" MNPT conduit connections as standard)

** Standard cable jacket is Hytrel. Others available on request – contact factory.

Dimensions:

(For reference only. Actual dimensions and configuration may vary. Standard configuration includes ½" MNPT conduit connection)