



Barometric Pressure Transducer Model 276 P/N: BP-276

The fundamentally simple design and thermally stable glass fused ceramic sensing capsule is coupled with the sophisticated capacitance charge-balance IC circuit where accurate signal conditioning and environmental compensation is performed. Standard accuracy is 0.25% full-scale. Instant warm-up and fast response are achieved in the **BP-276** with the combination of the capacitive sensor and proprietary IC analog circuit.

Specifications

Pressure Range: 600-1100 mb/hPa

Accuracy: $\pm 0.25\%$ FS

Hysteresis: 0.05% FS

Non-Repeatability: 0.05% FS

Resolution: Infinite, limited only by output noise level (0.005% FS)

Temperature:

Operating 0°F to +175°F (-18°C to +80°C)

Storage -65°F to +250°F (-54°C to +120°C)

Compensated Range: +30°F to +130°F (0°C to +50°C)

Thermal Zero Shift: 1% FS/100°F

Long Term Stability: 0.25% FS/6 months

Time Constant: 10 milliseconds to reach 90% final output

Physical

Pressure fitting 1/8" Tube Fitting

Electrical connection 2-foot Multi-conductor Cable

Weight (approx.) 9 ounces (0.25 Kgm)

Electrical Data

Electrical Circuit: 3-Wire (Exc, Out, Com)

Power Consumption: 0.2 Watts (24 VDC)

Output Noise: <200 microvolts RMS (0 Hz to 100 Hz).