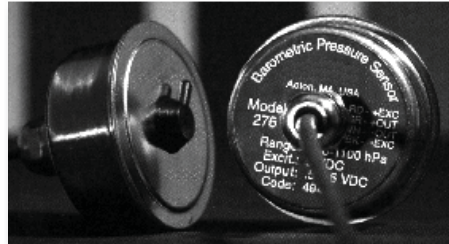


The Professional/Advanced Analog Barometer is an accurate and small pressure transducer for an economical price. The sensor is ideal for automatic weather stations using solar or battery power.

This barometer is based on the Setraceram™ glass fused ceramic capacitive sensing capsule. The transducer has good thermal stability, low hysteresis, and a fundamentally simple design. The circuitry internal to the barometer compensates the sensing element to achieve long-term stability and high accuracy.



#### Features:

- 0.25% FS accuracy (advanced)
- 0.1% FS accuracy optional (professional)
- Environmentally rugged
- 0.25% FS, 6 month stability
- Compact (2" dia. x 1")
- Low power consumption
- Instant warm-up
- Fast response
- 12 VDC power input

#### Technical Specifications

Pressure range:	600 to 1100 hPa 800 to 1100 hPa
Operating temp:	-20 to +79°C (0 to +175°F)
Storage temp:	-55 to +121°C (-65 to +250°F)
Supply voltage:	12 VDC
Power:	< 0.2 watts
Output:	0.1 to 5.1 VDC
Impedance:	< 5 Ω
Noise:	< 200 microvolts RMS
Resolution:	0.005% FS
Total accuracy:	< +0.25% FS, +0.1% FS optional
Time constant:	< 10 milliseconds
Thermal effects:	< 1% zero and span
Max pressure:	30 psia
Pressure Fitting:	1/8 inch tube fitting
Dimensions:	57 mm dia x 27 mm (2.25 in x 1.03 in)

#### Ordering Options

Advanced Analog Barometer. Specify pressure range, electrical output, excitation, and accuracy. (0.25% FS accuracy)

Professional Analog Barometer. Specify pressure range, electrical output, excitation, and accuracy. (0.1% FS accuracy)

