CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

BAROMETRIC PRESSURE SENSORS

Resonant silicon technology, silicon capacitance

Rugged, Reliable, and Ready for any Application

RELIABLE SINCE 1974 MONITORING

Barometric pressure sensors measure fluctuations in the pressure exerted by the atmosphere. The sensors require protection from condensing humidity, precipitation, and water ingress and are typically housed with the datalogger inside an environmental enclosure. If the enclosure is airtight, the sensor's pressure port must be vented to the atmosphere.

MAJOR SPECIFICATIONS

		Measurement Range	*Elevation*	*Temperature Range*	*Accuracy*	*Current Consumption*
CS100 | Standard Barometer Resides inside weather-proof enclosure		600 to 1100 mb	~ 2000 ft below sea level (as in a mine) to 12,000 feet above sea level	-40° to 60°C	±0.5 mb @ +20°C; ±1.0 mb @ 0° to 40°C; ±1.5 mb @ -20° to +50°C; ±2.0 mb @ -40° to +60°C	< 3 mA (active); < 1 µA (sleep mode)
CS106 | Wider Pressure Range Resides inside weather-proof enclosure		500 to 1100 mb	~ 2000 ft below sea level (as in a mine) to 15,000 feet above sea level	-40° to 60°C	±0.3 mb @ +20°C; ±0.6 mb @ 0° to 40°C; ±1.0 mb @ -20° to +45°C; ±1.5 mb @ -40° to +60°C	< 4 mA (active); < 1 µA (sleep mode)
092 | Includes Weather-proof Enclosure Commonly used with the WMS100 for wind-farm power performance measurements		600 to 1100 mb	~ 2000 ft below sea level (as in a mine) to 12,000 feet above sea level	-40° to 55°C	±0.35 mb @ +20°C; ±1.0 mb @ -40° to +55°C;	10 mA, typical