CAMPBELL SCIENTIFIC
WHEN MEASUREMENTS MATTER

092-L
Barometer

Suitable for Wind-Farm Power Performance Measurements

Overview

The 092, manufactured by Met One, is a barometric pressure sensor that is commonly used with the WMS100 for wind-farm power performance measurements. It has a polycarbonate casing and a metal weather shield, so it is rugged and weatherproof. You can use it indoors or outdoors, and it provides digital and analog outputs.

Specifications

Measurement Description	Barometric pressure
Signal Type/Output	Analog voltage
-NOTE-	*1 hPa = 1 mBar*
Pressure Range	600 to 1100 hPa
Elevation	Sea level to 3048 m (10,000 ft)
Resolution	0.1 hPa
Long-Term Stability	±1.0 hPa in 1 year
Analog Output	0 to 1 Vdc, 0 to 2 Vdc, 0 to 2.5 Vdc, or 0 to 5 Vdc (Analog output automatically adjusts from zero to full scale for range selected.)
Digital Output	RS-232, RS-485, and SDI-12
Digital Protocol	ASCII Terminal Mode, RTU for RS-232 and RS-485

Baud Rates	1200, 2400, 4800, 9600, 19.2k bps
Current Consumption	10 mA @ 12 Vdc (typical)
Power Range	6 to 16 Vdc
Temperature Range	-40° to +55°C
Elevation	~609.6 m (2,000 ft) below sea level (as in a mine) to 3,657.6 m (12,000 ft) above sea level
Accuracy	⟩ ±1.0 hPa (±0.03 in Hg) over full range ⟩ ±0.35 hPa (@ 20°C) ⟩ ±0.5 hPa (over any 200 hPa range)
Dimensions	12.0 x 8.0 x 5.5 cm (4.72 x 3.14 x 2.16 in.)
Weight	250 g (8.8 oz)

For comprehensive details, visit: www.campbellsci.com/p092