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

- **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.)
- **Power Requirements**: 10 mA @ 12 Vdc (typical)
- **Power Range**: 6 to 16 Vdc
- **Operating Temperature Range**: -40° to +55°C
- **Compensated Temperature Range**: -40° to +55°C
- **Accuracy**: ±1.0 hPa (±0.03 in Hg) over full 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)
- **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