





Ordering Information

Barometer

092-L Met One Barometer with user-specified cable length. Enter length, in feet, after the -L. Must choose a cable termination option (see below).

Cable Termination Options (choose one)

- -PT Cable terminates in stripped and tinned leads for direct connection to a datalogger's terminals.
- -PW Cable terminates in a connector for attachment to a prewired enclosure.

Overview

The 092 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. It can be used indoors or outdoors, and provides digital and analog outputs.

Specifications

- Measurement Range: 600 to 1100 hPa (17.72 to 32.48 in./hg)
- 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
- Power Requirement: 10 mA @ 12 Vdc, typical
- Power Range: 6 to 16 Vdc
- Weight: 250 g (8.8 oz)
- Dimensions: 12.0 x 8.0 x 5.5 cm (4.72 x 3.14 x 2.16 in)

Temperature

- Operating Range: -40° to 55°C
- Compensated Range: -40° to 55°C

Accuracy

- At 20°C: ±0.35 hPa
- Over Full Range: ±1.0 hPa (±0.03 in Hg)
- Over any 200 hPa Range: ±0.5 hPa





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