

Sensor

Description



The New Model 2001 Barometric Pressure Sensor offers unparalleled performance and flexibility for atmospheric pressure measurement. The barometer is available in two configurations to satisfy a variety of applications; Model 2001V offers 0-5 VDC output, 2001L offers a 4-20 mA current output. Both models offer serial output in addition to the analog signal. The barometer is housed in a weatherproof molded case. Cable connections are inside. A U-bolt mounting is supplied for easy attachment to towers and masts. For outdoor installation, use of Model 61002 Pressure Port is recommended. The Pressure Port minimizes dynamic pressure errors due to wind.

Technical Data

Operating Range	: 600 -1100hPa (17, 7 – 32, 5 in Hg)
Output Signal	: 0-5 VDC (Model 2001V) : 4-20 mA (Model 2001L)
Serial Output	: RS 232/RS485 (all Models)
Operating Temperature	: -50 to +60°C
Accuracy	: $\pm 0,3$ hPa (, 01 in Hg) @ 20°C $\pm 1,0$ hPa (, 03 in Hg) Over temperature range
Power Requirement	: 10 to 30 VDC, 10 mA
Dimensions	: 118mm x W x 73mm H x 54 mm D excluding mounting
Weight	: 0,6 kg
Other	: Sea-level offset