

230-600 Series Barometric Pressure Sensors

The **230-600 Series Barometric Pressure Sensors** offer unparalleled performance and flexibility for atmospheric pressure measurement. The barometer is available in two configurations to satisfy a variety of applications; Model 230-600C provides a 4-20 mA current output, Model 230-600V provides 0-5 Vdc output. Both models offer serial output in addition to the analog signal.

When ordered with a NovaLynx data logger, the barometer can be mounted inside the data logger enclosure. For other applications, the 230-601 series consists of the same 230-600 sensor mounted inside a weathertight polycarbonate enclosure and includes 25' of output signal cable. Cable connections are inside. Mounting hardware is available for easy attachment to towers and masts.

Specifications

Operating range:

500-1100 mb (14.7-32.5 inHg) Standard Factory Default
Other pressure ranges within the 500 to 1100 mb span may be selected via software commands but the full scale output signal range will always be the same, 0-5000mV. For example, 750 to 850 mb = 0-5 Vdc.

Output signal:

4-20 mA (230-600C)
0-5 Vdc (230-600V)
Serial RS232 (all models)

Operating temperature:

-50° to +60°C

Accuracy:

± 0.3 mb (.01 inHg) @ 20°C
± 0.5 mb (.015 inHg) over temperature range

Power requirement:

7 to 30 Vdc at 25 mA (230-600C)
7 to 30 Vdc at 3 mA (230-600V)

Dimensions:

Sensor with backplate 3.5" L x 2.4" W x 0.8" D (90 x 60 x 20 mm)
Enclosure 4.7" x 4.7" x 2.25"

Weight/Shipping:

Sensor only .2 lb/1 lb
Sensor in enclosure 1.2 lbs/2 lbs

Other:

Sea-level offset

Ordering Information

230-600C	Barometric Pressure Sensor, 4-20mA output
230-600V	Barometric Pressure Sensor, 0-5V output
230-601C	Barometric Pressure Sensor, in polycarb enclosure, includes 25' cable, 4-20mA output
230-601V	Barometric Pressure Sensor, in polycarb enclosure, includes 25' cable, 0-5V output
330-0524	Additional Cable, per foot
395-A-003	Mast Mounting Hardware



230-600 Barometric Pressure Sensor



230-601 Barometric Pressure Sensor in Weatherproof Enclosure