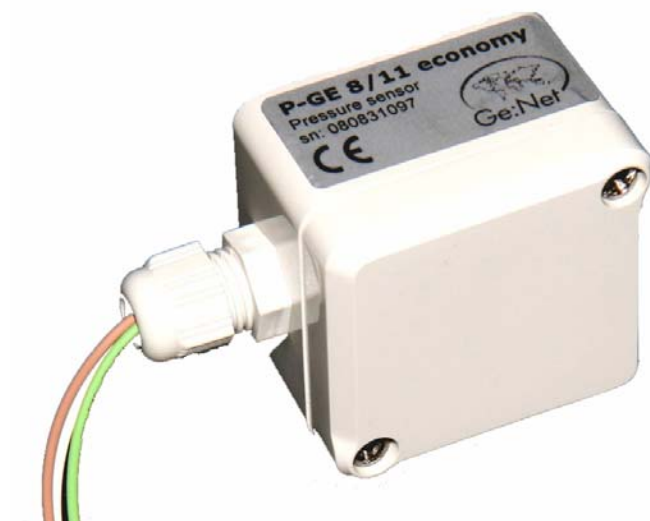




Barometric Pressure Sensor

P-GE 8/11 economy



Ge:Net GmbH
Am Rollberg 1
D-38678 Clausthal-Zellerfeld
+49 5323 948655
info@genetworld.com

Description

Cheap, reliable and rugged sensor for the measurement of barometric pressure.

The atmospheric pressure deforms a piezo-electrical element. A transmitter transforms the raw signal and provides a voltage linearly dependent on the barometric pressure.

Technical Data

Sensor

Sensing element.....	Piezo crystal
Transducer.....	Electronical transducer with voltage output
Measuring range.....	800...1100 hPa
Nominal output voltage.....	0.25...4.25 V
Supply voltage range.....	9.0...15 V
No load current consumption @ 12 V.....	0.7 mA

Environmental Conditions

Operating temperature range.....	0...+85°C (with internal compensation)
.....	-25...+85°C (without internal compensation)

Casing

Material.....	Plastic
Protection class.....	IP 54
Dimensions.....	50 x 53 x 37 mm
Weight.....	0.1 kg

Wiring

Brown.....	GND
White.....	supply voltage
Green.....	output signal

Power supply and measuring output are protected against reverse voltage and over voltage up to 30 V.

Gain.....	~ 0.075
Offset.....	~ 780

For details see calibration report.