

# Technical Data

Adcon BP1 Barometric Pressure Sensor



## 500 - 1500mbar, 0.1-2.5V

High accurate Barometric Pressure Sensor. Temperature dependencies and non-linearities of the sensor are mathematically compensated for, up to 80°C. The sensor has a very low power consumption and produces an analogue output signal of 0,1 ... 2,5VDC

|                         |   |
|-------------------------|---|
| Pressure range (FS)     | 500 ... 1500mbar  |
| Sensing element:        | piezoresistive pressure element   |
| Accuracy:               | 0.1% FS   |
| Operating temperature:  | -40°C ... +100°C / -40°F ... +212°F   |
| Compensated temperature | 0°C ... +80°C / 32°F ... +176°F   |
| Supply Voltage:         | 3.5V ... 12V DC   |
| Output Signal:          | 0.1V ... 2.5V   |
| Material:               | Case: Polycarbonate<br>Sensor: Stainless Steel 316L (DIN 1.4435)                                  |
| Dimensions LxWxH:       | 150 x 80 x 75mm / 5.9 x 3.15 x 2.95 in.<br>including mounting bracket, goretex vent and gland nut |
| Weight:                 | 330 grams (sensor only) / 0.73 lb.  |
| Protection:             | IP67  |
| Cable & Connector:      | 7-pin Binder jack with 2m cable   |