



DIGITAL PRESSURE GAUGE

Digital pressure gauge enables the measurement and display of pressure values in a single instrument. The accuracy of digital measurement technology and the simplicity of an analogue gauge are combined in this instrument.

Digital pressure gauges make use of pressure sensors in order to convert pressure to an electronic signal. Different types of pressure sensors exist, but the most commonly used is a piezoresistive pressure sensor. This sensor consists out of a diaphragm that is equipped with piezoresistive elements. The medium pressure causes the diaphragm to deflect, this deflection causes a change in cross-sectional area of the piezoresistive elements that is directly coupled to the electrical resistance.

SPECIFICATIONS :

Pressure range	:	-1 ...+16 bar to 0-600 bar
Unit Selection	:	bar, psi, kPa, inHg, mmHg, kgcm ²
Battery	:	2 x 1.5 V AA
Display	:	LCD Response
Time	:	0.3 Seconds
Repeatability	:	± 0.2%
Accuracy	:	± 0.3 % of FS at +25°C

