

*m1*

# Digital Gauge



- **Accuracy:  $\pm 0.2$  % of reading**
- **Pressure ranges: -1 bar up to 700 bar**
- **Fully temperature compensated -10 °C to 50 °C**
- **Water resistant housing Polyester/Polycarbonate**
- **1/4" NPT or G1/4 B (BSP parallel fitting)**
- **including bar graph and protective boot**

*By DAkkS according to DIN EN ISO / IEC 17025: 2005 accredited laboratory.  
The accreditation is valid only for the certificate system D-K-15055-01-00  
listed accreditation scope.*



## Technical Data

<b>Accuracy:</b>	± 0.2 % of reading from 20 % to 100 % of the range ± 0.04 % F.S. from 0% to 20 % of the range
<b>Vacuum:</b>	0 to -999 mbar: ± 0.25 % F.S.. (for 20 bar range and lower)
<b>Over pressure:</b>	Above 110 % of the range the Display flashes (as warning)
<b>Working Temperature:</b>	-10° C up to 50° C
<b>Display:</b>	with back light
<b>Pressure ports:</b>	¼ " NPT male <u>or</u> G1/4 B
<b>Pressure medium:</b>	All Gases and liquids, which are compatible with St. Steel 316
<b>Power supply:</b>	Batteries: 2 x AA - alkaline (Mignon), (about 900 working hours at 4 readings/second). For longer battery life see next page.
<b>Enclosure:</b>	Water resistant housing incorporating O-ring seals Polyester/Polycarbonate blend compatible with common industrial fluids, including Skydrol Weight: 325g with Batteries and protective boot.

## Pressure ranges, pressure units and resolutions

Range (bar)	max (bar)*	PSI	kg/cm <sup>2</sup>	"Hg	"H <sub>2</sub> O	mmHg	mmH <sub>2</sub> O	MPa	kPa	bar	mbar
-1 to 2	6	0.00	0.0001	0.01	0.1	0.1	1	-	0.01	0.0001	0.1
-1 to 10	20	0.01	0.001	0.01	0.1	1	-	0.0001	0.01	0.001	1
-1 to 20	40	0.01	0.001	0.1	-	1	-	0.0001	0.1	0.001	1
0 to 100	200	0.1	0.01	0.1	-	-	-	0.001	1	0.01	-
0 to 200	300	0.1	0.01	1	-	-	-	0.001	1	0.01	-
0 to 700	1000	1	0.1	1	-	-	-	0.01	-	0.1	-

\* Are maximal pressures, the gauges can withstand without damage. The gauge will not indicate pressure up to this number.

## Digital Gauge m1

The new digital gauge *m1* is designed to provide the best benefit in measurement accuracy, adaptation in environmental temperature between -10 °C to 50 °C and price.

The battery life can be extend up to 30000 hours. (1 reading/10 minutes).

The additional features are, vertical bar graph, minimum and maximum capture and averaging (2 to 20 samples).

Pressure connection can be chosen as 1/4" NPT or G1/4 B (BSP parallel fitting).

