

Digital Pressure Gauge ■ Type SPG-DIGI



Product Description

The SPG-DIGI Digital Pressure Gauges are intended to measure and display pressures in hydraulic systems, particularly for oils, lubricants and water. They can display the current measured values, as well as minimum and maximum values, with an accuracy of 0,5 % of full scale.

The SPG-DIGI Digital Pressure Gauges are available individually, or as part of a complete pressure test kit. They are very sturdy, reliable, easy to use and come with the CE mark (evidence of conformity compliance).

Features

- Bar graph display (drag indicator)
- Background lighting
- Zero correction
- Battery charge display

Order Codes

SPG-DIGI	-	B0016	-	B	-	CAL
①		②		③		④

① Series and Type

Digital Pressure Gauge	SPG-DIGI
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② Pressure Ranges

-1 ... 16 bar / -14,5 ... 232 PSI	B0016
0 ... 100 bar / 0 ... 1450 PSI	B0100
0 ... 400 bar / 0 ... 5801 PSI	B0400
0 ... 600 bar / 0 ... 8702 PSI	B0600

③ Process Connection

G1/4	B
7/16-20 UNF	U

④ Calibration

Without calibration certificate	(none)
With calibration certificate	CAL

Pressure Ranges

Version	Pressure Range (^{bar} /PSI)	Maximum Pressure (^{bar} /PSI)	Burst Pressure (^{bar} /PSI)
B0016	-1 ... 16	40	50
	-14,5 ... 232	580	725
B0100	0 ... 100	200	800
	0 ... 1450	2900	11603
B0400	0 ... 400	800	1700
	0 ... 5801	11603	24656
B0600	0 ... 600	1200	2200
	0 ... 8702	17404	31908

Technical Data

Materials

- Housing made of die-cast Zinc with TPE rubber protective covering
- Wetted parts: Stainless Steel 1.4404, NBR, ceramic
- Gaskets: NBR (Buna-N®)
FKM/FPM (Viton®) or EPDM upon request

Dimensions and Weight

- Diameter: 79 mm / 3.11 in
- Depth: 33 mm / 1.30 in
- Weight: 540 g / 1.19 lbs

Display

- Text display 4 1/2-digit
- Size: 50 x 34 mm / 1.97 x 1.34 in
- Actual value display: 15 mm / .59 in
- MIN-/MAX or FS* display: 8 mm / .31 in
- Units: bar, PSI, Mpa, kPa, mbar
- Peak pressure measurement with 10 ms sampling rate
- Lighted measured value display

Accuracy

- ±0,25 % FS* typ. / ±0,5 % FS* max.
- Resolution: 4096 steps

Permissible Temperatures

- Ambient: -10 °C ... +50 °C / +14 °F ... +122 °F
- Media: -20 °C ... +80 °C / -4 °F ... +176 °F
- Storage: -20 °C ... +60 °C / -4 °F ... +140 °F

- Relative humidity: < 85 %
- Battery life: max. 1500 hours
(operating without lighting, 2 x 1,5 V DC AA (LR6-AA) Alkaline Mignon)

Process Connections

- G1/4 or 7/16-20 UNF made of 1.4404 Stainless Steel

- Vibration: IEC 60068-2-6 / 10 ... 500 Hz / 5 g
- Shock: IEC 60068-2-27 / 11 ms / 25 g
- Load cycles (10⁶): 100

Protection Rating

- IP 67 protection rating: Dust tight and protected against powerful water jets; even immersion (up to 1 m / 3.28 ft) in water is possible under defined conditions of pressure and time

* FS = Full Scale

