

Product Description

The STAUFF 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 STAUFF 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).

Technical Data

Dimensions

- Diameter 79 (3,11)
- Depth 33 (1,3)
- Weight 540 g (1,19 lbs.)

Display

- Text display 4 1/2-digit / Size: 50 x 34 (1,97 x 1,34)
- Actual value display: 15 (0,59)
- MIN-/MAX or FS* display: 8 (0,31)
- Units: bar, PSI, Mpa, kPa, mbar
- Bar graph display (drag indicator)
- Background lighting
- Zero correction
- Battery charge display

Specifications

- Output of the current measured value
- Accuracy: $\pm 0,5 \% \text{ FS}^* \text{ typ.}, \pm 0,5 \% \text{ FS}^* \text{ max.}$
- Resolution: 4.096 steps
- Peak pressure measurement with 10 ms sampling rate
- Ambient temperature: $-10^{\circ}\text{C} \dots 50^{\circ}\text{C}$ ($14^{\circ}\text{F} \dots 122^{\circ}\text{F}$)
- Media temperature: $-20^{\circ}\text{C} \dots 80^{\circ}\text{C}$ ($-4^{\circ}\text{F} \dots 176^{\circ}\text{F}$)
- Storage temperature: $-20^{\circ}\text{C} \dots 60^{\circ}\text{C}$ ($-4^{\circ}\text{F} \dots 140^{\circ}\text{F}$)
- Relative humidity: $< 85 \%$
- Battery life: max. 1.500 hours (operating without lighting, 2 x 1,5 V DC AA (LR6-AA) Alkaline Mignon)
- Lighted measured value display
- Pressure connection: -4 SAE made of 1.4404 stainless steel
- Housing made of die-cast zinc with TPE rubber protective covering
- Adaptor made of steel, zinc-nickel coated
- Gaskets: NBR (Buna-N)
FKM (Viton) or EPDM upon request
- Safety class: EN 60529 - IP 67
- Vibration: IEC 60068-2-6 / 10 ... 500 Hz 5 g
- Shock: IEC 60068-2-27 25 g
- Load cycles (10^6): 100

* FS = Full Scale



Ordering System / Pressure Ranges

SPG - DIGI - B0016 - B - CAL

| Type | |
|------|-----------------------|
| SPG | STAUFF pressure gauge |

| Version | |
|---------|--|
| DIGI | Digital pressure measurement and display |

| Pressure Range | | | |
|----------------|-----------------------------------|------------------------|------------------------|
| Code | Display Range | Maximum Pressure | Burst Pressure |
| B0016 | -1 ... 16 bar (-14,5 ... 230 PSI) | 40 bar (580 PSI) | 50 bar (725 PSI) |
| B0100 | 0 ... 100 bar (0 ... 1.450 PSI) | 200 bar (2.900 PSI) | 800 bar (11.600 PSI) |
| B0400 | 0 ... 400 bar (0 ... 5.800 PSI) | 800 bar (11.600 PSI) | 1.700 bar (24.650 PSI) |
| B0600 | 0 ... 600 bar (0 ... 8.700 PSI) | 1.200 bar (17.400 PSI) | 2.200 bar (31.900 PSI) |

| Calibration | |
|-------------|---------------------------------|
| None | without calibration certificate |
| CAL | with calibration certificate |

| Pressure Connection | |
|---------------------|--------------------------|
| B | G 1/4 BSP |
| U | 7/16 - 20 UNF (Standard) |

All dimensions in mm (inch)