

## Product Description

In addition to the existing STAUFF product range in the field of digital pressure measuring, the new wireless digital pressure gauge (SPG-DIGI-W) is now available, allowing a most precise determination and wireless transmission of measured values to a PC. With its compact design and the ease of operation, the SPG-DIGI-W is actually a wireless single-channel data logger. With just a single PC adaptor, you can simultaneously transmit measured values of up to 16 digital pressure gauges over a distance of up to 50 m (160 ft.) to your computer. The configuration of the gauges and the inspection of your machinery and equipment can be easily accomplished from your desk, thus allowing the direct evaluation and storage of the measured values. Please note that measured values cannot be displayed in real time.

## 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:  $\pm 0,25\%$  FS\* typ.,  $\pm 0,5\%$  FS\* 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. 800 hours (operating without lighting, 2 x 1,5 V DC AA (LR6-AA) Alkaline Mignon)
- Lighted measured value display
- Pressure connection: 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) or EPDM upon request
- Safety class: EN 60529 - IP 54
- 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



## PC Functions:

- Read-out data from measured data memory via a radio interface (2,4 GHz)
- Measuring over a distance of max. 50 m (160 ft.)
- Remote configuration of the gauges

## Memory Functions:

- 5.000 measurement values (MAX pressure peaks)
- Setup of storage interval
- Time based recording
- Pressure spike monitoring

## Ordering System / Pressure Ranges

**Note!** PC Adaptor Part # SPG-DIGI-W-PC is required to receive data values from up to 16 SPG wireless gauges.

**SPG - DIGI - W - B0016 - B - CAL**

Type	
SPG	STAUFF pressure gauge

Version	
DIGI-W	Digital pressure measurement and display (wireless)

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

All dimensions in mm (inch)