



## SERIES 1000

### HIGH PERFORMANCE DIGITAL PRESSURE GAUGES

The NOSHOK 1000 Series Digital Pressure Gauge allows for local digital indication of pressure where once mechanical gauges could be installed. The integrated battery allows digital indication to be done without the use of any fixed power supplies.

Accuracy, reliability and mechanical resilience make this digital gauge suitable for pressure measurement in a multitude of applications.

Standard pressure ranges are available from 0 psig to 30 psig and as high as 0 psig to 10000 psig. For pressure ranges above 750 psig the wetted parts are made of stainless steel which is resistant to many chemically aggressive media.

The display has an integrated bar graph with a trailing indicating pointer to show the trends in a working pressure system. There is also an additional 4 1/2 digit display for a direct readout of the peak value, tare and other functions. An internal light ensures the display is optimally lit for a clear readout even in unfavorable lighting conditions. The buttons on the front of the display are used for easy adjustment of the programmable functions.

This digital pressure gauge meets all electromagnetic compatibility requirements (EMC) to EN 61326.

#### FEATURES

- Pressure Ranges from 30 psig to 10000 psig
- High resolution of standard pressure ranges
- LC-Display with 0.43" numerals
- Bar graph with trailing pointer function

#### APPLICATIONS

- Machine construction
- Plant and apparatus construction
- Hydraulics, pneumatics
- Measuring equipment monitoring

#### OPTIONAL ENHANCED SOFTWARE FEATURES

- Tare function
- Password protection
- Min./max. memory
- Internal lighting
- 300° Rotatable base

#### SPECIFICATIONS

<b>Display</b>	0.43" high Liquid Crystal Display
<b>Digits</b>	4 STD. 4 1/2, up to 9999
<b>Accuracy</b>	±0.5 % Full Scale (BFSL)
<b>Update rate</b>	5 times/second
<b>Pressure ranges</b>	Standard ranges from 30 psig to 10000 psig
<b>Proof pressure</b>	2 times Full Scale range, maximum 15000 psi
<b>Wetted materials</b>	≤750 psig stainless steel, aluminum, NBR, ceramic measuring element ≥ 1000 psig stainless steel, thin-film measuring element
<b>Housing material</b>	Stainless steel
<b>Power supply</b>	2 x 1.5V "AA" Battery 4000 hrs ("AA" 2000 mAh), unregulated
<b>Programmable Functions</b>	Adjustable through front key pad
<b>Tare</b>	±20% of Full Scale range
<b>On/Off</b>	Adjustable automatic turn off
<b>Measuring Unit</b>	bar, psi, MPa
<b>Temperature Influence</b>	Compensated 32 °F to 140 °F (0 °C to 60 °C) Effect ±0.15 % per 10K at zero and span Span effect is ±0.005 % Full Scale/°F
<b>Temperature Ranges</b>	Storage -4°F to 158°F (20°C to 70°C) Media -22°F to 185°F (-30°C to 85°C) Ambient 14°F to 140°F (-10°C to 60°C)
<b>Environmental rating</b>	NEMA 4X (IP 65 according to EN60529/IEC529)
<b>Electromagnetic rating</b>	Compliant to EN 61326, EMI and ESD protection
<b>Weight</b>	0.88 lbs.

ORDERING INFORMATION						
<b>SERIES 1000</b>						
<b>PRESSURE RANGES</b>	0 psig to 30 psig	<b>30</b>	0 psig to 600 psig	<b>600</b>	0 psig to 5000 psig	<b>5000</b>
	0 psig to 60 psig	<b>60</b>	0 psig to 1450 psig	<b>1450</b>	0 psig to 6000 psig	<b>6000</b>
	0 psig to 145 psig	<b>145</b>	0 psig to 2000 psig	<b>2000</b>	0 psig to 7500 psig	<b>7500</b>
	0 psig to 300 psig	<b>300</b>	0 psig to 3000 psig	<b>3000</b>	0 psig to 10000 psig	<b>10000</b>
	psig = Gauge Pressure		Other ranges available on special request			
<b>PROCESS CONNECTIONS</b>	<b>2</b> 1/4" NPT male					
<b>OPTIONS</b>	<b>1</b> Peak memory - Standard		<b>ORF</b> Threaded orifice			
	<b>6</b> Enhanced Software		<b>RCP</b> Rubber Case Protector			

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

**EXAMPLE**

**1000 - 600 - 2 - 1 - ORF**

- Series .....1000
- Pressure Range .....0 psig to 600 psig
- Process Connection .....1/4" NPT Male
- Options .....Peak memory
- .....Orifice

**Outline Dimensions**

