



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

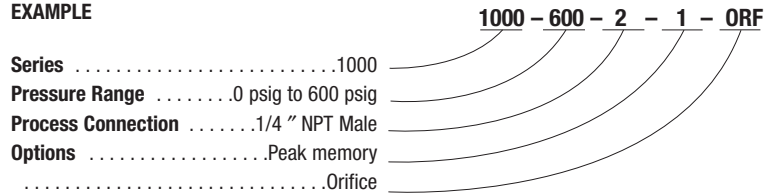
SPECIFICATIONS

Display	0.43" high Liquid Crystal Display
Digits	4 STD. 4 1/2, up to 9999
Accuracy	±0.5 % Full Scale (BFSL)
Update rate	5 times/second
Pressure ranges	Standard ranges from 30 psig to 10000 psig
Proof pressure	2 times Full Scale range, maximum 15000 psi
Wetted materials	≤750 psig stainless steel, aluminum, NBR, ceramic measuring element ≥ 1000 psig stainless steel, thin-film measuring element
Housing material	Stainless steel
Power supply	2 x 1.5V "AA" Battery 4000 hrs ("AA" 2000 mAh), unregulated
Programmable Functions	Adjustable through front key pad
Tare	±20% of Full Scale range
On/Off	Adjustable automatic turn off
Measuring Unit	bar, psi, MPa
Temperature Influence	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
Temperature Ranges	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)
Environmental rating	NEMA 4X (IP 65 according to EN60529/IEC529)
Electromagnetic rating	Compliant to EN 61326, EMI and ESD protection
Weight	0.88 lbs.

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

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

EXAMPLE



Outline Dimensions

