

# General Purpose Digital Gauge



## PGE20 SERIES

- Rugged, electronic gauge
- Gauge, compound, absolute and vacuum ranges from 5 psig to 15,000 psig
- 4-1/2 digit display with 0 to 100% bar graph
- 316L Stainless Steel wetted parts

### APPLICATIONS

- Hydraulics & pneumatics
- Leak detection
- Water management
- Hydrostatic pressure testing
- Burst testing
- Setting pressure switch set points

### MENU FUNCTIONS

- Min/Max Alarm (visual)
- Power off function
- Tare offset
- Battery status display
- Backlighting
- Optional data logger

### SPECIFICATIONS

<b>Pressure ranges</b>	Gauge, compound, absolute and vacuum ranges from 5 psig to 15,000 psig
<b>Accuracy</b>	±0.50% of full scale, including non-linearity, hysteresis, zero offset, and end point deviation per IEC 61298-2
<b>Temperature ranges</b>	Media -4 °F to 122 °F (-20 °C to 50 °C) Operating 14 °F to 122 °F (-10 °C to 50 °C) Storage 0 °F to 130 °F (-18 °C to 55 °C)
<b>Measuring element</b>	316L Stainless Steel
<b>Connection</b>	1/4" NPT Male, 316L Stainless Steel
<b>Case</b>	PBT with 30% glass fiber
<b>Display</b>	Resolution: 4-1/2 digits Back-lighting: activated via button Bar graph: 0 to 100% in 5% steps
<b>Power requirement</b>	3 x 1.5 V AA Alkaline batteries Typically > 4,000 hours
<b>Response time</b>	200 ms
<b>Proof pressure</b>	≤ 70 psi: 3 times full scale ≥ 100 to 7,500 psi: 2 times full scale > 7,500 psi: 1.43 times full scale
<b>Burst pressure</b>	≤ 70 psi: 4 times full scale ≥ 100 to 7,500 psi: 3 times full scale > 7,500 psi: 2 times full scale
<b>Programmable functions</b>	Adjustable through front key pad
<b>Measuring units</b>	psi, bar, mbar, MPa, kg/cm <sup>2</sup> and 1 user defined unit
<b>Environmental rating</b>	IP65
<b>Weight</b>	0.77 lb., including batteries

ORDERING INFORMATION								
SERIES	PGE20							
<b>PRESSURE RANGES</b>	<b>15psiv</b>	-15 psig to 0 psig	<b>70psig</b>	0 psig to 70 psig	<b>1500psig</b>	0 psig to 1,500 psig	<b>5psia</b>	0 psia to 5 psia
	<b>15psic</b>	-15 psig to 15 psig	<b>100psig</b>	0 psig to 100 psig	<b>2000psig</b>	0 psig to 2,000 psig	<b>15psia</b>	0 psia to 15 psia
	<b>160psic</b>	-15 psig to 160 psig	<b>150psig</b>	0 psig to 150 psig	<b>3000psig</b>	0 psig to 3,000 psig	<b>30psia</b>	0 psia to 30 psia
	<b>200psic</b>	-15 psig to 200 psig	<b>200psig</b>	0 psig to 200 psig	<b>4000psig</b>	0 psig to 4,000 psig	<b>70psia</b>	0 psia to 70 psia
	<b>300psic</b>	-15 psig to 300 psig	<b>300psig</b>	0 psig to 300 psig	<b>5000psig</b>	0 psig to 5,000 psig	<b>120psia</b>	0 psia to 120 psia
	<b>600psic</b>	-15 psig to 600 psig	<b>400psig</b>	0 psig to 400 psig	<b>6000psig</b>	0 psig to 6,000 psig	<b>150psia</b>	0 psia to 150 psia
	<b>5psig</b>	0 psig to 5 psig	<b>500psig</b>	0 psig to 500 psig	<b>7500psig</b>	0 psig to 7,500 psig	<b>300psia</b>	0 psia to 300 psia
	<b>10psig</b>	0 psig to 10 psig	<b>600psig</b>	0 psig to 600 psig	<b>10000psig</b>	0 psig to 10,000 psig	<b>500psia</b>	0 psia to 500 psia
	<b>15psig</b>	0 psig to 15 psig	<b>750psig</b>	0 psig to 750 psig	<b>15000psig</b>	0 psig to 15,000 psig		
	<b>30psig</b>	0 psig to 30 psig	<b>1000psig</b>	0 psig to 1,000 psig				
	psiv = vacuum gauge    psic = compound pressure    psig = gauge pressure    psia = absolute pressure    Other ranges available on request							
<b>ACCURACIES</b>	<b>1</b> ±0.5% Full Scale		<b>2</b> ±0.25% Full Scale*					
<b>PROCESS CONNECTION</b>	<b>2</b> 1/4" NPT male							
<b>OPTIONS</b>	<b>DL</b> Integrated Data Logger		<b>RCP</b> Rubber Case Protector		<b>ST8</b> SS Threaded Orifice			

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

\* Includes additional units of measure, level, density and delay.

ORDERING INFORMATION - UNINSTALLED OPTIONS			
<b>OPTIONS</b>	<b>PGE20-DL</b> Field Activated Data Logger	<b>PGE20-GC1</b> Gauge Carrying Case (1 gauge)	<b>PGE20-GC3</b> Gauge Carrying Case (3 gauge)
	<b>PGE20-IC</b> Interface Cable (Micro USB to USB cable 6 ft.)		

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### EXAMPLE

Series ..... PGE20 Series  
 Pressure range ..... 0 psig to 1,500 psig  
 Accuracy ..... ±0.5% Full Scale  
 Process connection ..... 1/4" NPT Male  
 Options ..... Integrated Data Logger

**PGE20 - 1500psig - 1 - 2 - DL**

