



Shown with enhanced software.

APPLICATIONS

- Machine construction
- Plant and apparatus construction
- Hydraulics
- Pneumatics
- Measuring equipment monitoring

1000 SERIES

- Allows for local digital indication of pressure in place of mechanical gauges
- Integrated battery provides 4,000 hours of battery life
- Pressure ranges from 30/30 psi to 10,000 psi
- 4" size – bottom connected
- Durable 304 stainless steel case
- Display has an integrated bar graph with a trailing indicating pointer to show the trends in a working pressure system
- Additional 4-1/2 digit display provides a direct readout of the peak value, tare, min./max. memory, and other functions
- Optional internal light ensures display is optimally lit for a clear readout in all lighting conditions
- Buttons on the front of the display allow easy adjustment of the programmable functions
- Meets all electromagnetic compatibility requirements (EMC) to EN 61326
- CE compliant to suppress RFI, EMI and ESD
- Optional features: tare function, password protection, internal lighting, 300° rotatable base, rubber case protector

SPECIFICATIONS

Display	0.43 " high liquid crystal display
Digits	4 STD. 4-1/2, up to 9999
Accuracy	±0.25 % full scale (BFSL)
Update Rate	5 times/second
Pressure Ranges	Standard ranges from 30 psig to 10,000 psig, compound ranges from 30/30 psig to 30/600 psig
Proof Pressure	2 times full scale range, maximum 15,000 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)
Programmable Functions	Adjustable through front key pad Tare ±20% of full scale range (optional) On/Off Adjustable automatic turn off (optional) Measuring Unit bar, psi, MPa (standard)
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	30/30	-30 inHg to 30 psig	30	0 psig to 30 psig	1450	0 psig to 1,450 psig	7500	0 psig to 7,500 psig
	30/60	-30 inHg to 60 psig	60	0 psig to 60 psig	2000	0 psig to 2,000 psig	10000	0 psig to 10,000 psig
	30/145	-30 inHg to 145 psig	145	0 psig to 145 psig	3000	0 psig to 3,000 psig		
	30/300	-30 inHg to 300 psig	300	0 psig to 300 psig	5000	0 psig to 5,000 psig		
	30/600	-30 inHg to 600 psig	600	0 psig to 600 psig	6000	0 psig to 6,000 psig		
		psig = gauge pressure		Other ranges available on special request				
PROCESS CONNECTIONS	2	1/4" NPT						
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

Series 1000
 Pressure range..... 0 psig to 600 psig
 Process connection 1/4" NPT
 Options Peak memory



Differential Gauge, Piston Type



1000 SERIES

- Accurately measures the pressure drop across filters, pumps, strainers, separators and valves
- Maximum static or working pressure to 6,000 psi
- 2-1/2 and 4-1/2" sizes - back or side connected
- Rugged case construction with weather-resistant NEMA 4X enclosure
- Single piece construction of ceramic magnet/piston minimizes "blow by" and increases accuracy
- Optional liquid filling lubricates gauge internals and extends service life by dampening the effects of vibration, pulsation and shock
- Media leakage within the sensor body is by design and kept to a minimum through precise engineering specifications
- Shipped with a certificate of calibration to ensure accuracy and quality performance
- Cost effective

APPLICATIONS

- Filters
- Flow indicators
- Heat exchangers
- Back flow restrictors
- Hydraulic and pneumatic systems
- Water treatment systems
- Pumps and compressors
- Industrial machinery and machine tools

SPECIFICATIONS

Nominal Sizes	2-1/2" (63.5mm) 4-1/2" (114.3mm)
Case and Bezel Material	Fiberglass reinforced thermoplastic
Lens	Acrylic – standard Laminated safety glass – optional
Sensor Housing Material	Black anodized aluminum – standard 316L Stainless steel – optional
Sensor Material	316 Stainless steel and ceramic piston/magnet
O-Ring Material	FKM (standard) NBR (optional) EPDM (optional)
Process Connection	1/4" NPT Female, back connection (standard) 1/4" NPT Female, side connection (optional)
Accuracy	±2% of full scale on rising pressure
Dial	Aluminum, white background with black markings
Pointer	Balanced aluminum, black finish
Gauge Fill Fluid	Glycerine – optional Others available – please consult factory
Operating Temp.	-40 °F to 200 °F (-40 °C to 93 °C)
Ranges	0 to 5 psid through 0 to 100 psid
Max. Working Static Pressure	6,000 psig

ORDERING INFORMATION				
GAUGE SIZE & SERIES	25 - 10	2-1/2"	45 - 10	4-1/2"
CONNECTION LOCATION	1	Back	2	Side
CONNECTION SIZE	2	1/4" NPT Female		
PRESSURE RANGE	P5	0 to 5 psid	P20	0 to 20 psid
	P10	0 to 10 psid	P25	0 to 25 psid
	P15	0 to 15 psid	P30	0 to 30 psid
			P50	0 to 50 psid
			P60	0 to 60 psid
			P75	0 to 75 psid
SENSOR HOUSING MATERIAL	A	Aluminum, black	S	316L Stainless steel
O-RING MATERIAL	2	FKM	3	NBR
			4	EPDM
CASE MATERIAL	P	Thermoplastic		
LENS	1	Acrylic	2	Safety Glass
			3	Maximum Indicating Pointer
FILL FLUID (OPTIONAL)	GY	Glycerine	SL	Silicone
			HL	Halocarbon®

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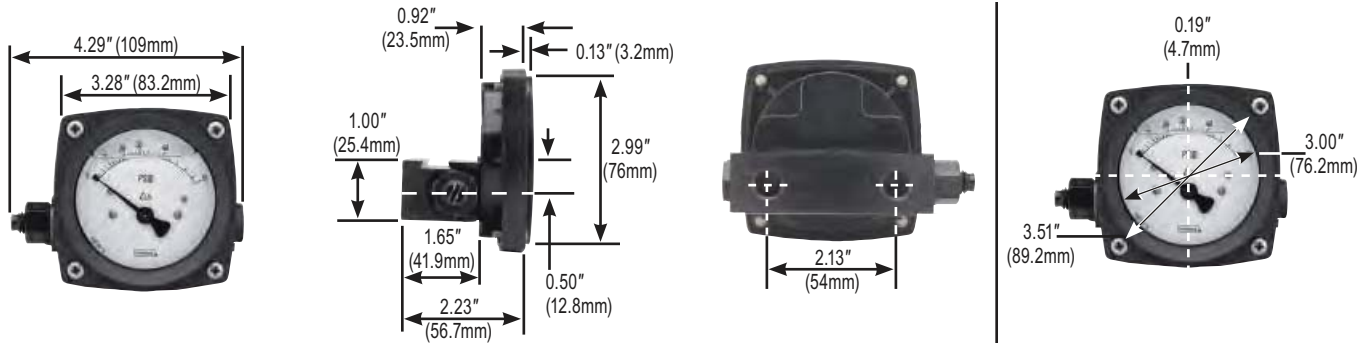
EXAMPLE

Gauge size & series.....2-1/2" – 1000 Series
 Connection location.....Back
 Connection size.....1/4" NPT Female
 Pressure range.....0 psid to 5 psid
 Sensor housing material.....Aluminum, black
 O-ring material.....FKM
 Case material.....Thermoplastic
 Lens.....Acrylic
 Fill fluid (optional).....Glycerine

25-10 1 2 - P5 - A 2 P - 1 - GY

PANEL CUT-OUT DIMENSIONS

2-1/2" Gauge



4-1/2" Gauge

