

Precision Test



800 SERIES

- Meet the specification of ASME B40.1 Grade 3A
- Ranges available vacuum through 20,000 psi
- +/-0.25% accuracy to 100% of dial range on rising or falling pressure
- 6" size – bottom connected
- Adjustable knife-edge pointer and mirrored dial eliminate parallax error*
- Brass or 316 stainless steel wetted parts
- Safety blow-out disc on the rear case is standard
- Instrument glass lens and 304 stainless steel case
- Jeweled brass and nickel silver bearings and movement
- Panel mountable, optional carrying case
- Stock availability

* The difference in apparent position of an object as seen from two different points not on a straight line with the object

OPERATING SPECIFICATIONS

1. Working Pressure Limitations Static Pressure

The working pressure, when no sharp fluctuations occur, should be limited to 100% of the dial range.

NOTE: 800 Series test precision gauges are not intended for dynamic applications.

2. Ambient Temperature

-40 °F to 140 °F (-40 °C to 60 °C)

3. Media Temperature

-40 °F to 180 °F (-40 °C to 80 °C)

APPLICATIONS

- Laboratories on calibration test stands
- Sophisticated aerospace equipment used in launching space vehicles
- Gauge repair facilities
- Wherever high accuracy and sensitivity are critical

	MODELS	SPECIFICATIONS
Case	60-800	304 Stainless steel
Cover	60-800	304 Stainless steel
Lens	60-800	Instrument glass
Bourdon tube	60-800	Beryllium copper to 1,000 psi 316 SS 1,500 psi to 10,000 psi NI Span C 15,000 psi to 20,000 psi
Connection	60-800	1/4" NPT bottom connection 9/16"-18 high pressure connection for 20,000 psi
Movement	60-800	Brass with jeweled bearings nickel-silver pinion gear and shafts
Safety protection	60-800	Safety relief disc on the back of the case
Accuracy	60-800	± 0.25% full scale ASME B40.1 Grade 3A
Pointer	60-800	Adjustable knife-edge pointer
Dial	60-800	Aluminum, white mirrored background with black graduations

For details on accuracy/standard dial configuration and dial layouts, see pages 76-81.

ORDERING INFORMATION								
SERIES	800							
SIZE	60 6"							
CASE TYPE	800 SS Case, bottom connection							
PRESSURE RANGES	30vac	-30 inHg to 0 psi	30/300	-30 inHg to 0 to 300 psi	300	0 psi to 300 psi	5000	0 psi to 5,000 psi
	30/15	-30 inHg to 0 to 15 psi	15	0 psi to 15 psi	400	0 psi to 400 psi	6000	0 psi to 6,000 psi
	30/30	-30 inHg to 0 to 30 psi	30	0 psi to 30 psi	600	0 psi to 600 psi	10000	0 psi to 10,000 psi
	30/60	-30 inHg to 0 to 60 psi	60	0 psi to 60 psi	1000	0 psi to 1,000 psi	15000	0 psi to 15,000 psi*
	30/100	-30 inHg to 0 to 100 psi	100	0 psi to 100 psi	1500	0 psi to 1,500 psi	20000	0 psi to 20,000 psi*
	30/160	-30 inHg to 0 to 160 psi	160	0 psi to 160 psi	2000	0 psi to 2,000 psi		
	30/200	-30 inHg to 0 to 200 psi	200	0 psi to 200 psi	3000	0 psi to 3,000 psi		
SCALE OPTION	psi psi single scale							
CONNECTION SIZES	1/4	1/4" NPT	1/2	1/2" NPT (standard for 20,000 psi)	7/16			SAE J1926-3: 7/16-20 Adjustable
OPTIONS	SSFF	304SS Front Flange	ST	Stainless Steel Tagging				
	SSRF	304SS Rear Flange	BP3	Brass Press Fit Orifice 0.3 mm (below 10,000 psi)				
	GC	Gauge Carrying Case	BT8	Brass Threaded Orifice 0.8 mm (below 10,000 psi)				
	LM	Laser Marking	ST8	316SS Threaded Orifice 0.8 mm (10,000 – 20,000 psi)				

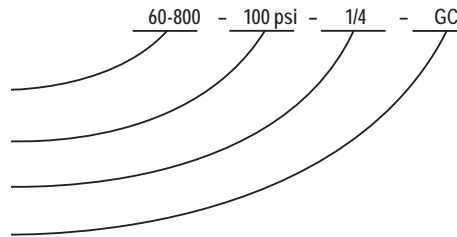
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

NOTE: Refer to 800 Series Options & Accessories chart on page 68 for availability by model number.

* Stainless steel connection is standard for pressure ranges 15,000 psi and above.

EXAMPLE

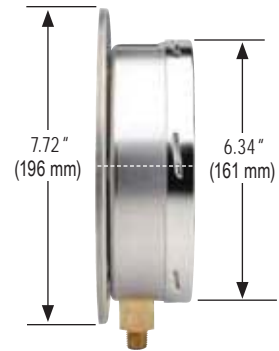
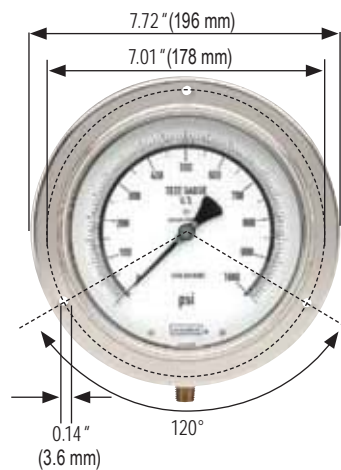
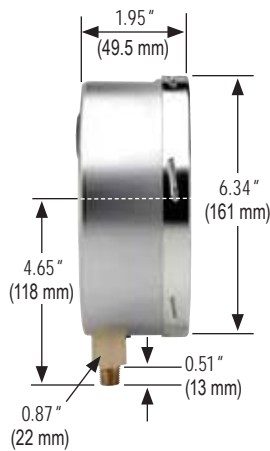
1. Select model number (size & case type)
2. Select pressure range
3. Select connection size (if more than one is offered)
4. Select any required accessory or option



60-800*

60-800 Front Flange

60-800 Rear Flange












*For ranges ≤ 60 psi and $\geq 1,500$ psi, depth dimension changes to 2.58" (65.5 mm)

Options & Accessories by Gauge Series





400/500 SERIES ALL STAINLESS STEEL PRESSURE GAUGES DRY, LIQUID & AMMONIA GAUGE ACCESSORIES

- = Option/accessory is available
- C = Consult factory for availability
- STD = Standard stock model specification

MODEL NO.	15-401	15-411	25-400	25-410	40-400	40-410	60-400	60-410	25-406
			25-500	25-510	40-500	40-510	60-500	60-510	25-506
CONNECTION									
304 SS Front Flange (SSFF)				•	•	•	•	•	
304 SS Rear Flange (SSRF)			C	C	•	•	•	•	C
SS Bezel w/U-Clamp (SSBU)						•		•	
Installed 304SS Panel Mount Clamp (SPMC)				•					
Uninstalled 304SS Panel Mount Clamp (25-459-1-SS-PMC)				•					
Installed Steel Panel Mount Clamp (PMC)				•					
Uninstalled Steel Panel Mount Clamp (25-459-1-PMC)				•					
Flange Ring (FR)				•					
Flange Ring 304SS (SSFR)				•					
Adjustable Pointer (AP)					•	•	STD	STD	
Safety Glass Lens (SGL)			•	•	•	•	STD	STD	•
Maximum Indicating Pointer (MIP)			•	•	•	•	•	•	•
Red Set Pointer (SP)			•	•	•	•	•	•	•
Laser Marking (LM)	•	•	•	•	•	•	•	•	•
Stainless Steel Tagging (ST)	•	•	•	•	•	•	•	•	•
Orifice - 316SS Threaded Orifice - 0.8 mm (ST8)	•	•	•	•	•	•	•	•	•
Orifice - 316SS Threaded Orifice - 0.5 mm (ST5)	•	•	•	•	•	•	•	•	•


STANDARD ORIFICE FOR 400/500 SERIES GAUGE IS 0.8 MM THREADED, UNLESS OTHERWISE SPECIFIED.
Consult factory for additional non-stock and special accessory availability.

600/700 SERIES PROCESS GAUGE ACCESSORIES

MODEL NO.	DRY		LIQUID FILLED	
	45-640	45-740	45-660	45-760
CONNECTION				
Safety Glass Lens (SGL)	•	•	•	•
Glass Lens (GL)	•	•	•	•
Maximum Indicating Pointer (MIP)	•	•	•	•
Uninstalled Black Panel Mount Ring (BPMR)	•	•	•	•
Uninstalled Chrome Panel Mount Ring (CPMR)	•	•	•	•
Manocont "Dampened" Movement (MDM)	•	•		
Overload Stop (OS)	•	•	•	•
Laser Marking (LM)	•	•	•	•
Stainless Steel Tagging (ST)	•	•	•	•
Orifice - Brass Press Fit - 0.3 mm (BP3)	•		•	
Orifice - Brass Threaded - 0.8 mm (BT8)	•		•	
Orifice - 316SS Threaded - 0.8 mm (ST8)		•		•

STANDARD ORIFICE FOR 600/700 SERIES GAUGE IS 0.8 MM THREADED, UNLESS OTHERWISE SPECIFIED.
Consult factory for additional non-stock and special accessory availability.

800 SERIES PRECISION TEST GAUGE ACCESSORIES

MODEL NO.	60-800
CONNECTION	
304 SS Front Flange (SSFF)	•
304 SS Rear Flange (SSRF)	•
Carrying Case (GC)	•
Laser Marking (LM)	•
Stainless Steel Tagging (ST)	•
Orifice - Brass Press Fit - 0.3 mm (below 10,000 psi) (BP3)	•
Orifice - Brass Threaded - 0.8 mm (below 10,000 psi) (BT8)	•
Orifice - 316SS Threaded - 0.8 mm (10,000 - 20,000 psi) (ST8)	•

STANDARD ORIFICE FOR 800 SERIES GAUGE IS 0.8 MM THREADED, UNLESS OTHERWISE SPECIFIED.
Consult factory for additional non-stock and special accessory availability.