

Process



600/700 SERIES

- Turret style dry or liquid-filled gauge
- Vacuum and compound ranges through 0 psi to 15,000 psi
- 4-1/2" gauge sizes
- Black Polypropylene safety case with solid front and blow-out back
- Phosphor bronze, 316 stainless steel and brass wetted parts

OPERATING SPECIFICATIONS

1. Working Pressure Limitations

a. Dynamic Pressure

The working pressure should be limited to 60% of the dial range.

b. Static Pressure

The working pressure, where no sharp fluctuations occur, should be limited to 90% of the dial range

APPLICATIONS

- Injection molding machines
- Laboratory & test equipment
- Power generation
- Oil field & offshore
- Utilities
- Water & wastewater

	SERIES	SPECIFICATIONS
Pressure ranges	600/700 Series (all)	Vacuum and compound ranges through 0 psi to 15,000 psi
Accuracy	600/700 Series (all)	±0.5% full scale
Temperature ranges*	45-640	Media -4 °F to 150 °F (-20 °C to 65 °C) Ambient -40 °F to 150 °F (-40 °C to 65 °C)
	45-740	Media -40 °F to 212 °F (-40 °C to 100 °C) 500 °F (260 °C) Maximum for short term/intermittent Ambient -40 °F to 150 °F (-40 °C to 65 °C)
	45-660	Media -4 °F to 150 °F (-20 °C to 65 °C) Glycerin fill -40 °F to 150 °F (-40 °C to 65 °C) Special fill Ambient -4 °F to 150 °F (-20 °C to 65 °C) Glycerin fill -40 °F to 150 °F (-40 °C to 65 °C) Special fill
	45-760	Media -4 °F to 212 °F (-20 °C to 100 °C) Glycerin fill -40 °F to 212 °F (-40 °C to 100 °C) Special fill 250 °F (130 °C) Maximum for short term/intermittent Ambient -4 °F to 150 °F (-20 °C to 65 °C) Glycerin fill -40 °F to 150 °F (-40 °C to 65 °C) Special fill
Case	600/700 Series (all)	Turret style black Polypropylene case. Solid front, safety case with blow-out back
Bayonet ring	600/700 Series (all)	Threaded black PBT
Lens	600/700 Series (all)	Acrylic
Measuring Element	45-640, 45-660 (≤ 600 psi)	Copper alloy C-Type Bourdon tube
	45-740, 45-760 (≤ 600 psi)	316 stainless steel C-Type Bourdon tube
	600/700 Series (all) (>600 psi)	316 stainless steel coiled safety Bourdon tube
Connection	45-640, 45-660	1/4" NPT, brass
	45-740, 45-760	1/4" NPT or 1/2" NPT, 316 stainless steel
Movement	45-640, 45-660	Brass and nickel-silver with highly polished bearing surfaces. An internal zero stop is standard.
	45-740, 45-760	Stainless steel with highly polished bearing surfaces. An internal zero stop is standard.
Pointer	600/700 Series (all)	Balanced micro-adjustable aluminum, black finish
Dial	600/700 Series (all)	Aluminum, white background with black scale. UV resistant.
Fill liquid **	45-660, 45-760	Glycerin

* For every 18 °F (10 °C) shift in temperature from which the gauge is calibrated, the user can experience up to ±0.4% additional error.

** See page 51 for gauge fill options.

For details on accuracy/standard dial configuration and dial layouts, see pages 52-56.

NOSHOK 600 Series Gauges:



WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

NOSHOK 700 Series Gauges:



WARNING: This product can expose you to chemicals including Chromium (VI) and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

ORDERING INFORMATION					
GAUGE SIZES	45	4-1/2"			
CASE TYPES	640	Brass, dry, bottom connection		660	Brass, liquid filled, bottom connection
	740	SS, dry, bottom connection		760	SS, liquid filled, bottom connection
PRESSURE RANGES	30vac	-30 inHg to 0 psi		30/300	-30 inHg to 0 to 300 psi
	30/15	-30 inHg to 0 to 15 psi		15	0 psi to 15 psi
	30/30	-30 inHg to 0 to 30 psi		30	0 psi to 30 psi
	30/60	-30 inHg to 0 to 60 psi		60	0 psi to 60 psi
	30/100	-30 inHg to 0 to 100 psi		100	0 psi to 100 psi
	30/160	-30 inHg to 0 to 160 psi		160	0 psi to 160 psi
	30/200	-30 inHg to 0 to 200 psi		200	0 psi to 200 psi
				300	0 psi to 300 psi
SCALE OPTIONS		psi	psi single scale	psi/kg/cm²	psi/kg/cm ² dual scale
CONNECTION SIZES		1/4	1/4" NPT	1/2	1/2" NPT
OPTIONS	SG	Safety Glass Lens		CPMR	Uninstalled Chrome Panel Mount Ring
	GL	Glass Lens		OS	Overload Stop
	MIP	Maximum Indicating Pointer		LM	Laser Marking
	BPMR	Uninstalled Black Panel Mount Ring		ST	Stainless Steel Tagging
				BP3	Brass Press Fit Orifice 0.3 mm
				BT3	Brass Threaded Orifice 0.3 mm
				ST8	316SS Threaded Orifice 0.8 mm

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

NOTE: Refer to 600/700 Series Options & Accessories chart on page 52 for availability by part number.

EXAMPLE

45 - 740 - 100 - psi - 1/2 - ST8

Gauge size 4-1/2"

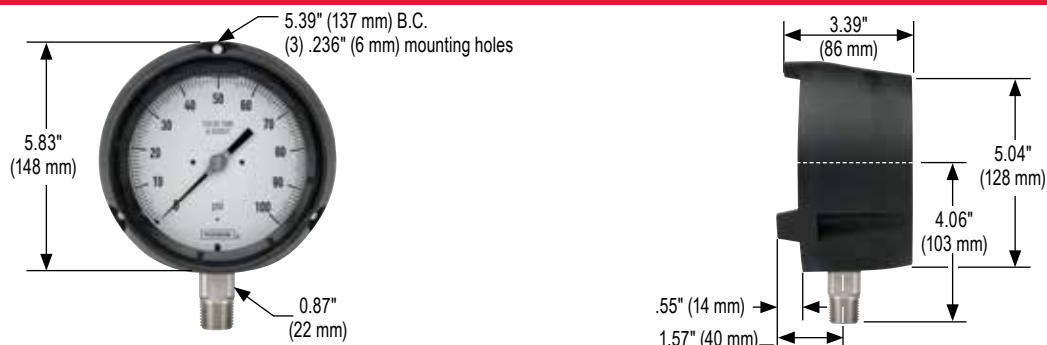
Case type SS internals, dry, bottom connection

Pressure range & scale option 0 psi to 100 psi

Connection size 1/2" NPT

Option 316SS Threaded Orifice 0.8 mm

45-640/660 & 45-740/760



45-640/660 & 45-740/760 Panel Mount Ring

