

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
- 316 Stainless Steel or 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

* 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.

| | 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 |

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 Nickel, 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

| 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 | 300 0 psi to 300 psi | |
| | 30/15 | -30 inHg to 0 to 15 psi | 15 | 0 psi to 15 psi | 400 0 psi to 400 psi | |
| | 30/30 | -30 inHg to 0 to 30 psi | 30 | 0 psi to 30 psi | 600 0 psi to 600 psi | |
| | 30/60 | -30 inHg to 0 to 60 psi | 60 | 0 psi to 60 psi | 800 0 psi to 800 psi | |
| | 30/100 | -30 inHg to 0 to 100 psi | 100 | 0 psi to 100 psi | 1000 0 psi to 1,000 psi | |
| | 30/160 | -30 inHg to 0 to 160 psi | 160 | 0 psi to 160 psi | 1500 0 psi to 1,500 psi | |
| | 30/200 | -30 inHg to 0 to 200 psi | 200 | 0 psi to 200 psi | 2000 0 psi to 2,000 psi | |
| | 3000 | 0 psi to 3,000 psi | 5000 | 0 psi to 5,000 psi | 6000 0 psi to 6,000 psi | |
| | | | | 10000 0 psi to 10,000 psi | | |
| | | | | 15000 0 psi to 15,000 psi | | |
| SCALE OPTIONS | psi | psi single scale | psi/kg/cm ² | psi/kg/cm ² dual scale | psi/bar | |
| CONNECTION SIZES | 1/4 | 1/4" NPT | 1/2 | 1/2" NPT | | |
| OPTIONS | SG | Safety Glass Lens | CPMR | Uninstalled Chrome Panel Mount Ring | BT3 | Brass Threaded Orifice 0.3 mm |
| | GL | Glass Lens | OS | Overload Stop | BT8 | Brass Threaded Orifice 0.8 mm |
| | MIP | Maximum Indicating Pointer* | LM | Laser Marking | ST8 | 316SS Threaded Orifice 0.8 mm |
| | BPMR | Uninstalled Black Panel Mount Ring | ST | Stainless Steel Tagging | | |
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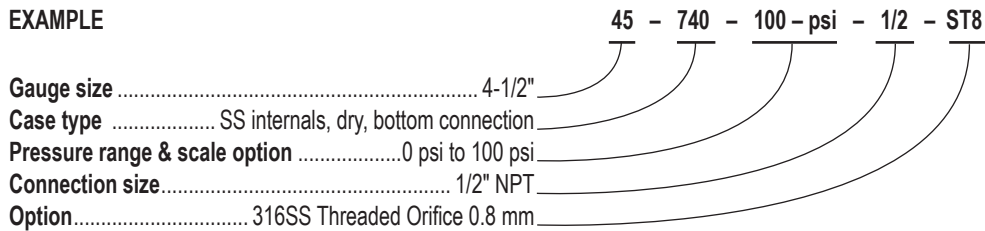
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

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

Cleaning for Oxygen Service (O2) is available only for dry or HL filled gauges

* GY40 fill is standard for liquid filled gauges

EXAMPLE



45-640/660 & 45-740/760

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

