



TYPE 1005P / 1005 / 1005S GAUGES

Applications include compressors, filter regulators, medical equipment, automotive diagnostic, beverage dispensing, industrial machinery and a variety of other applications

ACCURACY

ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span)

DIAL SIZE

1½", 2", 2½", 3½" (4½" available with steel case/ring and glass window, Type 1000)

CASE MATERIAL

1005P – ABS, black
1005 – Black painted steel
1005S – Stainless steel (1½" & 2" only)
Optional, color other than black, vent hole

WETTED MATERIAL

Bronze/brass. *Optional sockets, nickel plated, Teflon taped, top or side connections, throttle plugs*

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

½" and ¼" NPT back and lower. (1½" not available in ¼" NPT back; 2½" and 3½" 1005P available in ½" and ¼" NPT lower only; 4½" Type 1000 available in ¼" NPT lower only)

RANGES

Vac.-6000 psi and compound



TYPE 1001T PANEL GAUGE

Applications include instrument panels, air-conditioning equipment, air and gas compressors, machine tools and a variety of other applications.

ACCURACY

ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span)

DIAL SIZE

1½", 2", 2½", 3½"

CASE MATERIAL

Black painted steel

WETTED MATERIAL

Bronze/brass.

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

½" NPT back, ¼" NPT back

RANGES

Vac.-6000 psi and compound

ASHCROFT®

Commercial Gauge Quick Guide

All Gauges Are Not Created Equal... Only Ashcroft® commercial pressure gauges offer the exclusive, patented PowerFlex™ movement. The Ashcroft PowerFlex™ movement provides a high level of reliability and durability.



- Superior shock resistance
- Exceptional vibration resistance
- Excellent pulsation performance
- Outstanding durability

Ashcroft commercial pressure gauges also provide True Zero™ indication. True Zero™ is true indication of zero pressure being applied to the gauge.



- Helps ensure safety
- Reduces manufacturing costs
- Helps assure a quality process
- Reduces inspection costs

In addition, with Ashcroft commercial pressure gauges you get:

- Broad product selection
 - 23mm to 4½" dial sizes
 - Ranges from vacuum to 15,000 psi
- Wide variety of case styles and materials
- Customized logos, dials and pressure connections available.



Dresser Instruments
Dresser, Inc.
250 E. Main Street
Stratford, CT 06614-5145
USA
Tel: 203-378-8281
Fax: 203-385-0408
www.ashcroft.com



TYPE 1008A/AL GENERAL SERVICE GAUGE

Applications include hydraulic systems, machine tools, pressure washers/sprayers and a variety of other applications

ACCURACY

ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span)

DIAL SIZE

63mm (2½"), 100mm (4")

CASE & RING MATERIAL

304 stainless steel, dry, liquid filled or field fillable

WETTED MATERIAL

Bronze/brass

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

¼" NPT lower and back
Optional, metric and SAE connection

RANGES

Vac.-15,000 psi and compound



TYPE 3005 / 3005P HYDRAULIC GAUGE

Applications include hydraulic systems, machine tools, pressure washers/sprayers, compressors, irrigation equipment and a variety of other applications.

ACCURACY

ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span)

DIAL SIZE

63mm (2½")

CASE MATERIAL

3005 – 304 stainless steel, dry, liquid filled or field fillable
3005P – Black ABS dry or glycerine filled

WETTED MATERIAL

Bronze/brass

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

3005 – ¼" NPT lower and back
3005P – ¼" NPT lower
Optional, metric and SAE connection

RANGES

Vac.-15,000 psi and compound



TYPE 1005M, XRG AGRICULTURAL AMMONIA

This product was designed to withstand rugged agricultural applications. Features include stainless tube and socket, in addition to glass window, necessary for anhydrous ammonia applications.

ACCURACY

ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span)

DIAL SIZE

2½"

CASE MATERIAL

Black painted steel
Optional, stainless clad aluminum (Type 1005SM)

WETTED MATERIAL

316 stainless steel/steel

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

¼" NPT lower
Optional, 0.020" orifice stainless steel throttle plug

RANGES

0/60 psi, 0/150 psi, 0/400 psi



TYPE 1005M, XR5 REFRIGERANT AMMONIA

This product was designed to meet the requirements of refrigerant ammonia applications. Features include enhanced leak integrity plus dual scale (psi/temp) dial necessary for these applications.

ACCURACY

ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span)

DIAL SIZE

2½", 3½"

CASE MATERIAL

Black painted steel
Optional, ABS (Type 1005PM); stainless clad aluminum (Type 1005SM)

WETTED MATERIAL

316 stainless steel/steel

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

¼" NPT lower

RANGES

30 in.Hg Vac/0/150 psi,
30 in.Hg Vac/0/300 psi
with equivalent ammonia temperature scales

Commercial Gauge Quick Guide



TYPE 1005, XUL SPRINKLER SERVICE GAUGE

These gauges are UL-393 listed, UL of Canada listed and FM approved for fire protection sprinkler service for either water or air systems.

ACCURACY

ASME B 40.1 Grade B (± 3 -2-3% of span)

DIAL SIZE

3½"

CASE MATERIAL

ABS/polycarbonate blend

WETTED MATERIAL

Bronze/brass

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

¼ NPT lower

RANGES

0-300 psi (water), 0-80 psi retard to 250 psi (air)

LOOK FOR THESE AGENCY MARKS ON OUR PRODUCTS



TYPE 1007P, XOR REFRIGERATION MANIFOLD

Typical applications include checking or servicing refrigerant levels in automotive, residential or industrial air-conditioning units; refrigerant recovery and reclamation units; refrigerant transport systems and large scale air-conditioning and chilling equipment.

ACCURACY

$\pm 1\%$ at zero, $\pm 2\%$ three fourths of scale, $\pm 5\%$ last fourth of scale

DIAL SIZE

2½"

CASE MATERIAL

ABS, red (high pressure)
ABS, blue (low pressure)
Optional, black, ABS

WETTED MATERIAL

Bronze/brass

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement with Flutter Guard™

CONNECTION

¼ NPT lower

RANGES

Vac/0/120 psi retard to 250 psi, 0/500 psi
Vac/0/500 psi retard to 800 psi, 0/800 psi
Optional, alternate refrigerant ranges

Note: for panel mount refrigeration gauges (recovery, recycling) see Type 1001T options



TYPE 2071 CONTRACTOR GAUGE

These gauges are designed to meet the needs of heating, ventilating, plumbing and air-conditioning contractors.

ACCURACY

ASME B 40.1 Grade A (± 2 -1-2% of span)

DIAL SIZE

4½"

CASE & RING MATERIAL

Aluminum with back-flange case, painted black; chrome plated ring

WETTED MATERIAL Bronze/brass soldered, siphon required for steam service

SENSING ELEMENT

Bourdon tube; Ashcroft patented PowerFlex™ movement

CONNECTION

¼ NPT lower
Optional, throttle plugs

RANGES

Vac-600 psi and compound



*Protective Boot Optional

TYPE D1005PS GENERAL DIGITAL GAUGE

This product is an excellent choice for a wide variety of pressure measurement applications. When compared to mechanical gauges the D1005PS offers overall enhanced value.

ACCURACY $\pm 0.5\%$ of span

CASE SIZE 2½"

CASE MATERIAL Noryl®

WETTED MATERIALS

17-4 PH stainless steel sensor;
316 stainless steel socket

SOCKET SIZE ¼ NPT

CONNECTION Lower (6 o'clock), 3, 9 and 12 o'clock

RANGES Vac. thru 19,999, including compound

POWER SOURCE Two AAA alkaline batteries

BATTERY LIFE 1000 hrs.

OPERATING TEMPERATURE 14/140°F (-10/60°C)

STORAGE TEMPERATURE -4/158°F (-20/70°C)

AGENCY APPROVALS

CE, EN 61326 (1998)
CE, EN 61326 Annex A (heavy industrial)

LOOK FOR THIS AGENCY MARK ON OUR PRODUCTS



TYPE 40DD 50DDG DIRECT DRIVE GAUGE

Typical applications include filter regulator lubricators, portable compressors, air tanks, industrial machinery and a variety of other applications. Excellent shock resistance.

ACCURACY

ASME B 40.1 Grade B (± 3 -2-3% of span)

DIAL SIZE

40mm (1½") or 50mm (2")

CASE MATERIAL

ABS polycarbonate blend, black

WETTED MATERIAL

Beryllium copper coil, silicone dampened Integral ABS polycarbonate blend socket
Optional, ¼ NPT or ½ NPT brass, throttle plug

SENSING ELEMENT

Spiral wound Bourdon tube

CONNECTION

40mm - ½ NPT back
50mm - ½ NPT or ¼ NPT back

RANGES

0-60 psi (180° arc);
0-100 psi, 0-160 psi, 0-200 psi, 0-300 psi, 0-400 psi (235° arc)
For optimum gauge life, select a gauge with a full scale pressure range of approximately twice the maximum excursion pressure

Consult factory for high cycle life applications



TYPE 23DG MINIGAUGE™ PRESSURE GAUGE

These gauges are perfect for a multitude of applications where a 1½" conventional size gauge is too large, such as mini-FRL's, pneumatic stack valves and air compressors.

ACCURACY

$\pm 5\%$ of span

DIAL SIZE

23mm (0.906")

CASE MATERIAL

ABS blend, black

WETTED MATERIAL

Beryllium copper tube/brass socket

SENSING ELEMENT

Spiral wound Bourdon tube

CONNECTION

¼ NPT back with 15mm (⅝") wrench flats.
Optional, throttle plugs, PT ¼" (JIS) and R ¼" (BSPT) threads

RANGES

60 psi-100 psi (180° dial arc)
160 psi-300 psi (235° dial arc)



TYPE 12DDG/15DDG DIRECT DRIVE GAUGE

Applications include pumps, air compressors, portable tire inflators, portable oxygen equipment, self-contained breathing apparatus, portable industrial gas cylinders and a variety of other applications.

ACCURACY

Standard: $\pm 2\%$ at setpoint (setpoint is normally 50% of range) UL listed: $\pm 3.5\%$ of span of middle three-fifths of scale

DIAL SIZE

1¼", 1½"

CASE MATERIAL

Stainless steel, sealed

WETTED MATERIAL

Beryllium copper tube/brass socket

SENSING ELEMENT

Spiral wound Bourdon tube
Optional, silicone dampened tube, silicone-filled tube

CONNECTION

¼ NPT back, safety plug in 1500 psi-4000 psi ranges. *Optional, ¼ NPT back, throttle plugs*

RANGES

0/60 psi, 0/100 psi, 0/160 psi, 0/200 psi, 0/300 psi, 0/700 psi,
0/1,200 psi, 0/1,500 psi 0/2,000 psi, 0/3,000 psi,
0/4,000 psi



TYPE MFX FIRE EXTINGUISHER GAUGE

These products are designed for use on portable fire extinguishers and systems. other applications.

ACCURACY

Conforms to applicable UL specs*

DIAL SIZE

1¼", 1½"

CASE MATERIAL

Stainless steel, sealed

WETTED MATERIAL

Beryllium copper/brass

SENSING ELEMENT

Spiral wound Bourdon tube
*Optional, silicone-filled tube
Spiral tube, beryllium copper*

CONNECTION

¼ NPT back
Optional, special socket configurations

RANGES

Maximum scale pressure from
200 psi to 1200 psi

*UL 299
UL 626
UL 1058
UL 1093