FEATURES
- 0.5% Accuracy (0.25% option)
- Min./Max. function feature records low and high pressure events
- Nine engineering units: one field (programmable)
- All Stainless steel, laser welded wetted parts
- Push-button menu navigation
- 20 segment bar graph display
- 5-Digit numeric display
- IP67 Enclosure

TYPICAL USES
- Hydraulics and pneumatics
- Test and measurement
- Specialized OEM equipment
- Material strength testing
- Torque measurement
- Weighing

SPECIFICATIONS

**Accuracy:** ±0.5% of span (ASME B40.7 Grade 2A), ±0.25% of span (ASME B40.7 Grade 3A) (OPT.)

**Case Size:** 2½˝

**Nominal Sizes:** 2.73˝ (70 mm) dia., 1.61˝ (40.9 mm) deep, 2.64˝ (67 mm) centerline to end of ¼ NPT thread height

**Character Height:** Upper line: 0.48˝, (12.19 mm), 5-digit
Lower line: 0.24˝, (6.10 mm), 5-character alphanumeric

**Ranges:** Vacuum, compound, 15 to 25,000 psi

**Pressure Connection:** ¼ NPT typical, see page 4 for all options

**Process Connection Location:** Lower

**Temperature Coefficient:** 0.04% °F (-20 °F to 180 °F) zero and span
Reference temperature 70 °F

**Leak Integrity:** 10^{-7} cc/sec

**Update Rate:** 1Hz, 2Hz, 4Hz

**Vibration:** MIL-STD-202G, Method 201A

**Shock:** MIL-STD-202G, Method 213B, Test Condition K

**Serial Number:** Yes

**View Angle:** 12 o’clock

**Battery:** Two AA alkaline batteries

**Battery Life:** 2,000 hours minimum

**Battery Life Indicator:** 4 levels

**Cycle Life:** 10 million cycles

**Pressure Ratings**

<table>
<thead>
<tr>
<th>Overpressure</th>
<th>Proof</th>
<th>Burst</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 to ≤2,000 psi</td>
<td>2X Range</td>
<td>8X Range</td>
</tr>
<tr>
<td>3,000 to ≤5,000 psi</td>
<td>1.5X Range</td>
<td>3X Range</td>
</tr>
<tr>
<td>7,500 to ≤20,000 psi</td>
<td>1.2X Range</td>
<td>1.5X Range</td>
</tr>
</tbody>
</table>

KEY BENEFITS
- Wide variety of pressure connection thread options
- Easily custom configured to meet unique requirements
- Ingress protection suitable for demanding applications

SPECIFICATIONS

**LCD Display:** Five-digit numeric top line, five-character alphanumeric lower line, 20 segment vertical bar graph, four segment battery life indicator, dedicated icons for gauge timer, backlight timer, tare, min. and max.

**Keypad Functions:** Three key; with multi-press functionality

**Hard Keys:**
- On/Off: Power Symbol and Enter Zero
- Zero: Tare, and Up Arrow
- Menu: Access, Backlight, Down Arrow

**Engineering Units:** psi, bar, in. Hg, cm Hg, mm Hg, kPa, MPa, kg/cm², ft. H₂O, and customer defined unit. (Some ranges may not include all units due to resolution limitations. See range chart on page 3.)

**Enclosure Rating:** IP67

**Approvals:** CE/UKCA, UL 61010-1, CUL

All specifications are subject to change without notice. All sales subject to standard terms and conditions.

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DG25 General Purpose Digital Gauge

WETTED COMPONENTS

<table>
<thead>
<tr>
<th>Diaphragm</th>
<th>Socket</th>
<th>Joints</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-4 SS</td>
<td>316L SS</td>
<td>Laser welded</td>
</tr>
</tbody>
</table>

NON-WETTED COMPONENTS

<table>
<thead>
<tr>
<th>Case</th>
<th>Keypad</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycarbonate/ABS</td>
<td>Polycarbonate</td>
</tr>
</tbody>
</table>

MIN/MAX TEMPERATURE LIMITS

<table>
<thead>
<tr>
<th>Version</th>
<th>Process</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG25</td>
<td>-4 °F to 140 °F (-20 °C to 60 °C)</td>
<td>-4 °F to 140 °F (-20 °C to 60 °C)</td>
</tr>
<tr>
<td>Batteries removed</td>
<td>-</td>
<td>176 °F (-20 °C to 80 °C)</td>
</tr>
</tbody>
</table>

ORDERING CODE

Example: DG25 3 1 L 1 NA M02 L 1000# -XC4

Model
DG - DG25

Dial Size
25 - 2.5” 25

Accuracy
3 - ±0.25% of span
5 - ±0.5% of span

Type
1 - Battery

Backlight
L - Backlight
N - No backlight

Protective Boot
0 - None
1 - Black
2 - Orange

Electrical Connection
NA - Not Applicable

Process Connection Size
F09 - ¾-18 UNF-2B internal thread, high pressure
M02 - ¾ NPT Male
M01 - ½ NPT Male
M04 - ½ NPT Male
M75 - No thread for seal weld
M02 - ¾ NPT Male dry seal, high pressure
M02 - G½B Male
M03 - G¾ A Male
MKJ - ¼-19 BSP Male with shaft
MLF - ½ NPT Male with ¾-20 UNJF-3B internal thread
MR4 - R ½ Male
MS2 - ¼-19 BSP Male

Process Connection Location
L - Lower

Range (coding example, see range table below for all standard ranges)
1000# - 0-1,000 psi

Options (if choosing an option(s), must include an “X”)
B3 - Gauge pouch with Ashcroft® logo
C4 - Traceable calibration certificate
NH - Metal tag wired to case
GB - Generic non-branded key panel
GX - Epoxy potted stem (10 unit minimum)
6B - Cleaned for gaseous oxygen service
6W - Cleaned to ASME B40.100 level IV, NOT marked for gaseous oxygen service

Consult factory for: Custom configurations, OEM requirements, traceable calibration certificate, cleaned for gaseous oxygen service, gauge pouch with Ashcroft® logo, other ranges and mounting options

MIN/MAX TEMPERATURE LIMITS

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<td>-</td>
<td>176 °F (-20 °C to 80 °C)</td>
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</tbody>
</table>
# DG25 General Purpose Digital Gauge

## Standard psi ranges

<table>
<thead>
<tr>
<th>RANGE CODE</th>
<th>psi</th>
<th>bar</th>
<th>in. Hg</th>
<th>cm Hg</th>
<th>mm Hg</th>
<th>kPa</th>
<th>MPa</th>
<th>kg/cm²</th>
<th>ft. H₂O</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Range</td>
<td>High Range</td>
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</tbody>
</table>

### Vacuum

### Compound

### Pressure

## Standard bar ranges

<table>
<thead>
<tr>
<th>RANGE CODE</th>
<th>bar</th>
<th>psi</th>
<th>in. Hg</th>
<th>cm Hg</th>
<th>mm Hg</th>
<th>kPa</th>
<th>MPa</th>
<th>kg/cm²</th>
<th>ft. H₂O</th>
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</tbody>
</table>

### Vacuum

### Compound

### Pressure

* 0.5% Accuracy only.
* (1) Requires use of pressure connection F99 or M02

Note: -“-” in range table indicates unit of pressure is not included in this pressure range.
DG25 General Purpose Digital Gauge

DIMENSIONS
For reference only, consult Ashcroft for specific dimensional drawings.

1/8 NPT Male (M01)
1/4 NPT Male (M02)
G1/4B NPT Male (MG2)
1/2 NPT Male (M04)
1/4 NPT Male & 1/16=20 UNF-3B (MLF)
1/4-19 BSP (MS2)
No Threads (M75)
1/4 NPTF Class 1 (male dry seal) (MD2)
1/4-19 Male w/Center Shaft (MKS)
1/18-18 Internal Thread (F09)
G1/4A-19 Stud End (MGA)
R1/4 Thread (MR4)

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