McDANIEL

Black Steel Case Utility Gauges

“For the price-conscious buyer . . .

McDaniel utility gauges are designed for the price-conscious buyer and user who have an emphasis on maintaining quality and accuracy in a general purpose gauge.

Our utility line offers trusted McDaniel quality in an economical package. Special consideration given to rigorous McDaniel standards for durability, accuracy, and quality of construction.

Our Series 8: Black enameled steel case utility gauges with brass internals. General purpose gauge for non-corrosive atmosphere.

Standard features include a restrictor screw (removable) in the inlet port for pulsation dampening.

. . . and quality user.”

SPECIFICATIONS

Accuracy:
ASME B40.1 standard (Grade B) (3 – 2 – 3%)

Dial:
White enameled aluminum. Black figures.

Case:
Black enameled steel.

Pointer:
Black enameled aluminum.

Lens:
Polycarbonate.

Precision Movement
Brass.

Bourdon Tube:
Copper alloy (C Form 600 PSI & Below).
Phosphorous bronze (Spiral 800 PSI & Above).

Temperature Utilization:
-4 + 176 degrees Farenheit.
-20 + 80 degrees Celsius.

Pressure Utilization:
Static: 75% maximum scale.
Dynamic: 66% maximum scale.

Stem and Socket:
Brass. Restrictor screw standard.
R8 = 1/8” NPT (1/4” NPT special order available)
T8 = 1/4” or 1/8” NPT available
J8 = 1/4” NPT (1/8” NPT special order available)

Dial Sizes / Ranges Available
1 1/2” - (R8) / Vac, Comp, Rec 3-15, up to 5,000 psi
2” - (T8) / Vac, Comp, Rec 3-15, up to 5,000 psi
2 1/2” - (J8) / Vac, Comp, Rec 3-15, up to 15,000 psi

Configurations Available:
Bottom connected standard
(L) = Center-back connected
(U) = U-Clamp mounted, Center-back connected
(P) = Front flange, Center-back connected

McDaniel Controls, Inc.
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(985) 758-2782 • New Orleans (504) 467-1333 • Fax (985) 758-1688
www.mcdanielcontrols.com
**How to Order**

1. Select the model number (R8, T8, or J8).
2. Specify range code from list at left.
3. Specify mounting code:
   - "L" = (Center-back connection)
   - "U" = (U-Clamp, Center-back connection)
   - "P" = (Panel mount with front flange, Center-back connection)
4. Specify any other special configurations or options. (Special NPT size, dual-scales, etc.)

**Limited Warranty**

McDaniel warrants our utility gauges to be free of defects in material and workmanship. Replacement of any defective gauge will be made at no cost to the purchaser. Gauge failures determined to be caused by over-range and incompatibility with environment/product media or abuse will not be considered under this warranty.

**Dimensional Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Connect</th>
<th>Back</th>
<th>Mount</th>
<th>U-Clamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>R8</td>
<td>1½ inch (40mm)</td>
<td>44</td>
<td>44</td>
<td>44</td>
</tr>
<tr>
<td>T8</td>
<td>2 inch (50mm)</td>
<td>44</td>
<td>44</td>
<td>44</td>
</tr>
<tr>
<td>J8</td>
<td>2½ inch (63mm)</td>
<td>44</td>
<td>44</td>
<td>44</td>
</tr>
</tbody>
</table>

- **Special Configuration Adder Codes**
  - B = psi/Bar (dual scale) (nonstock)
  - K = psi/kPa (dual scale) (nonstock)
  - 1/8 = 1/8" NPT (use on T8 (stock), and J8 non stock)

- **Range and Increments**
  - A 0 - 15 psi 5 increments
  - B 0 - 30 psi 1 increment
  - C 0 - 60 psi 2 increments
  - D 0 - 100 psi 5 increments

- **Vacuum and Receiver**
  - VACUUM 30 Hg + 0
  - RECEIVER 30 Hg + 15

- **Special Configuration Adder Codes**
  - U 30 Hg + 1/2
  - V 30 Hg + 3/4
  - W 30 Hg + 60
  - X 30 Hg + 100
  - Y 30 Hg + 160
  - 2k 30 Hg + 200
  - 2 30 Hg + 300

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**Ask your representative about McDaniel gauges with stainless steel or Monel® internals, all brass or all stainless steel gauges, test gauges, or other requirements.**

**Distributed by:**

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*See website for dimensional data and downloadable AutoCAD files: [www.mcdanielcontrols.com](http://www.mcdanielcontrols.com)