



# McDANIEL

## Liquid Filled, Stainless 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 6:** Glycerin filled, stainless steel case utility gauges with brass internals. Designed for applications with a corrosive atmosphere and where pulsation and/or vibration are present.

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:**

Plastic (ABS).

### **Case:**

304 Stainless steel.

### **Pointer:**

Black enameled aluminum.

### **Lens:**

Plastic (SAN).

### **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.

J6 = 1/4" NPT (1/8" special order available)

T6 = 1/4" or 1/8" NPT available

### **Dial Sizes / Ranges Available**

2" - (T6) / Vac, Comp, Rec 3-15, up to 5,000 psi

2 1/2" - (J6) / 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.

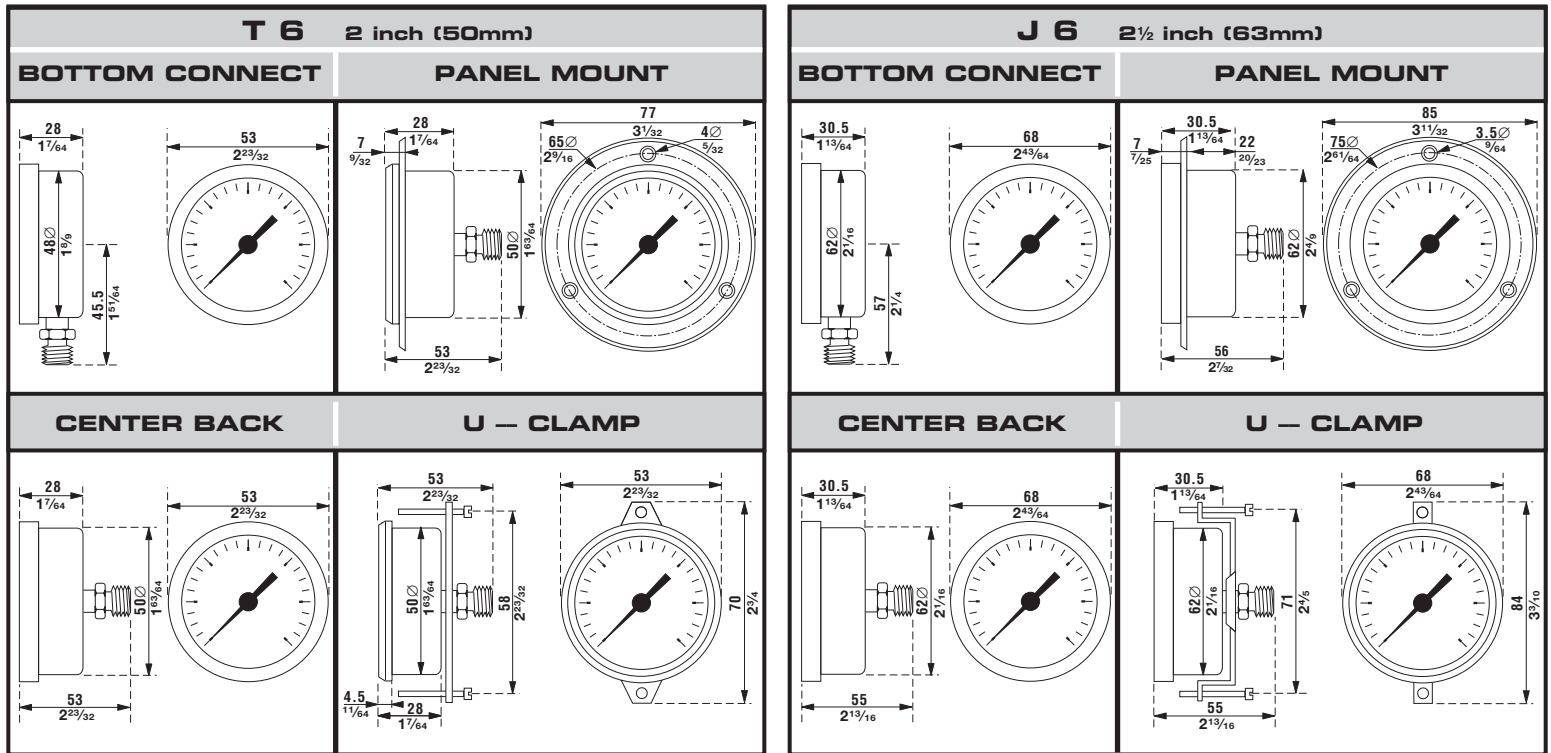
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[www.mcdanielcontrols.com](http://www.mcdanielcontrols.com)

# DIMENSIONAL DATA

In millimeters (mm) and inches (in.)



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

**McDaniel also makes gauges in other materials; in sizes and ranges to fit a wide variety of applications, and in many special configurations.**

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

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| Range code | Range psi     | Minor Increments |
|------------|---------------|------------------|
| A          | 0 - 15        | .5               |
| B          | 0 - 30        | 1                |
| C          | 0 - 60        | 1                |
| D          | 0 - 100       | 2                |
| E          | 0 - 160       | 5                |
| F          | 0 - 200       | 5                |
| G          | 0 - 300       | 10               |
| H          | 0 - 400       | 10               |
| I          | 0 - 600       | 20               |
| J          | 0 - 800       | 20               |
| 1K*        | 0 - 1000      | 20               |
| L          | 0 - 1500      | 50               |
| M          | 0 - 2000      | 50               |
| N          | 0 - 3000      | 100              |
| 4k         | 0 - 4000      | 100              |
| O          | 0 - 5000      | 100              |
| 6k         | 0 - 6000      | 200              |
| P          | 0 - 10000     | 200              |
| Q          | 0 - 15000     | 500              |
| VACUUM     | VACUUM        | VACUUM           |
| S          | VAC 30"Hg - 0 | 1                |
| RECEIVER   | RECEIVER      | RECEIVER         |
| T          | REC 3 - 15"   | 2                |
| COMPOUND   | COMPOUND      | COMPOUND         |
| U          | 30"Hg + 15    | 1-0-2            |
| V          | 30"Hg + 30    | 1-0-2            |
| W          | 30"Hg + 60    | 2-0-5            |
| X          | 30"Hg + 100   | 2-0-5            |
| Y          | 30"Hg + 160   | 2-0-10           |
| 2k         | 30"Hg + 200   | 5-0-15           |
| Z          | 30"Hg + 300   | 10-0-30          |

## HOW TO ORDER

- Select the model number (**T6** or **J6**)
- Specify range code from list at left.
- Specify mounting code:  
(Bottom connection is standard, no code)  
"L" = (Center-back connection)  
"U" = (U-Clamp, Center-back connection)  
"P" = (Panel mount w/front flange, Center-back connection)
- Specify any other special configurations or options. (special NPT size, dual-scales, etc.)

### Special Configuration Adder Codes

**B** = psi/Bar (dual scale) (nonstock)  
**K** = psi/kPa (dual scale) (nonstock)  
**1/8** = 1/8" NPT (non stock on J6)

### Model #

(Example: **T6E**: "T6" = 2" (50mm) Dial - "E" = (0 - 160 psi range)  
**J61kP**: "J6" = 2 1/2" (63mm) Dial - "1k" = (1000 psi range) - "P" = (Panel mount)

\* Use 1K on **T6** and **J6** for 0 - 1000 psi range.

\*\* Receiver gauge is dual scale. (0 - 100% primary, 0 - 10 square root secondary)

## 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.

## DISTRIBUTED BY:

It is recommended that users of pressure gauges become familiar with American National Standard ASME B40.1, entitled Gauges, Pressure and Vacuum - Indicating Dial Type - Elastic Element. This specification is available from:

**American Society of Mechanical Engineers**

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UG6 1113

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