



McDANIEL

Stainless Steel Case Utility Gauges

“For the price-conscious buyer . . .

McDaniel designed its utility gauges 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 7: General purpose stainless steel case utility gauges with brass internals. Designed for applications with a 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:

304 Stainless 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 Fahrenheit.

-20 + 80 degrees Celsius.

Pressure Utilization:

Static: 75% maximum scale.

Dynamic: 66% maximum scale.

Stem and Socket:

Brass. Restrictor screw standard. (removable)

R7 = 1/8" NPT (1/4" NPT special order available)

T7 = 1/4" or 1/8" NPT available

J7 = 1/4" NPT (1/8" NPT special order available)

Dial Sizes / Ranges Available

1 1/2" - (R7) / Vac, Comp, Rec 3-15, up to 5,000 psi

2" - (T7) / Vac, Comp, Rec 3-15, up to 5,000 psi

2 1/2" - (J7) / Vac, Comp, Rec 3-15, up to 15,000 psi

Configurations Available:

Bottom connected standard

(L) = Center-back connected

(P) = Front flange, Center-back connected

McDaniel Controls, Inc.

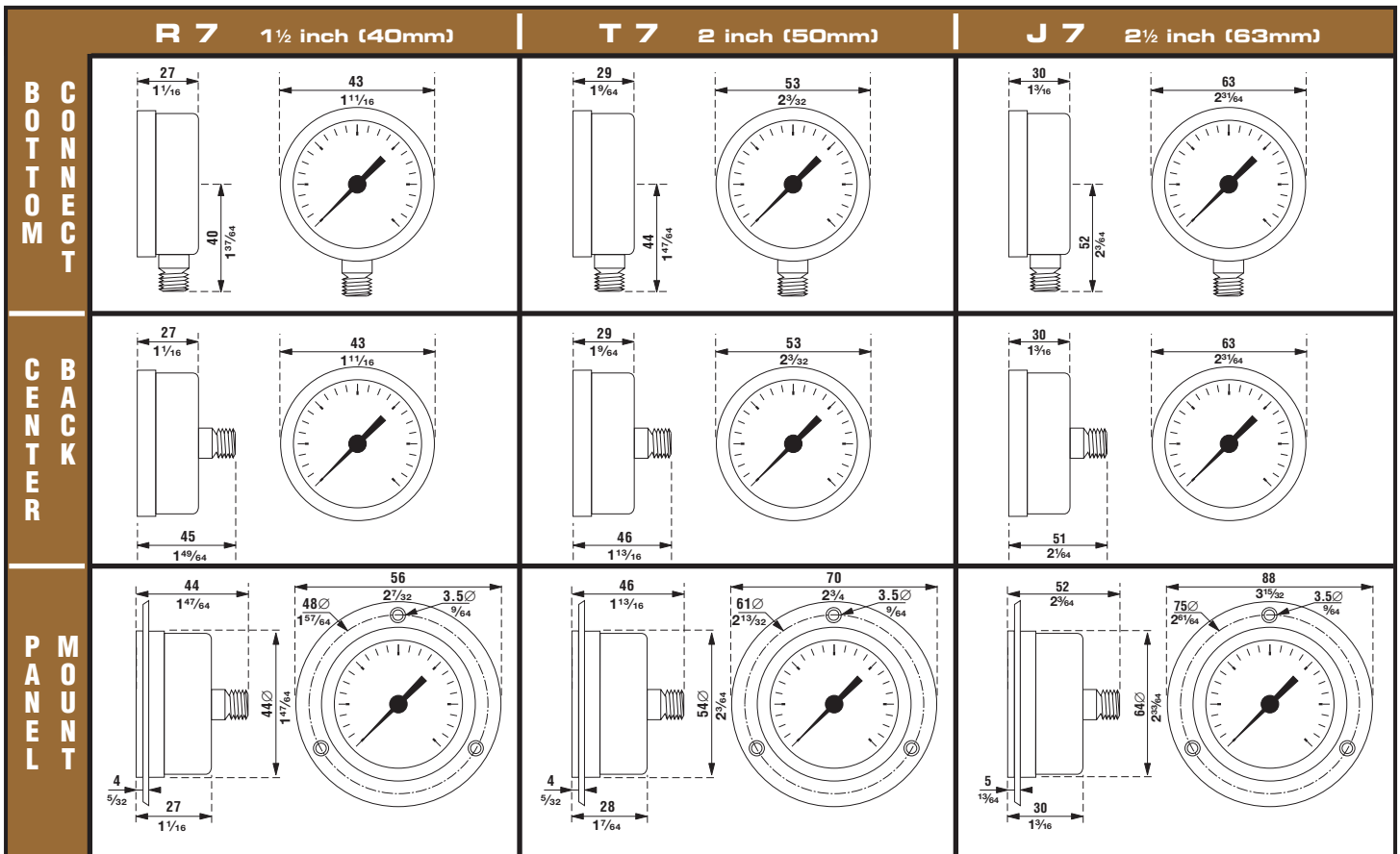
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www.mcdanielcontrols.com

DIMENSIONAL DATA

In millimeters (mm) and Inches (in.)



* See website for dimensional data and downloadable AutoCAD files: www.mcdanielcontrols.com

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
K	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

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

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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HOW TO ORDER

- 1 - Select the model number (**R7**, **T7**, or **J7**)
- 2 - Specify range code from list at left.
- 3 - Specify mounting code:
(Bottom connection is standard, no code)
"L" = (Center-back connection)
"P" = (Panel mount w/front flange, Center-back connection)
- 4 - 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 (use on T7 (stock), and J7 non stock)

Model

(Example: **R7DP**: "R7" = 1 1/2" (40mm) Dial - "D" = (0 - 100 psi range) - "P" = (Panel Mount)
T7E: "T7" = 2" (50mm) Dial - "E" = (0 - 160 psi range)
J72k: "J7" = 2 1/2" (63mm) Dial - "2k" = (30"Hg + 200 psi range)

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:

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