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TECHNOLOGY GROUP

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McDANIEL

Stainless Steel Case Utility Gauges

"For the price-conscious buyer . . .

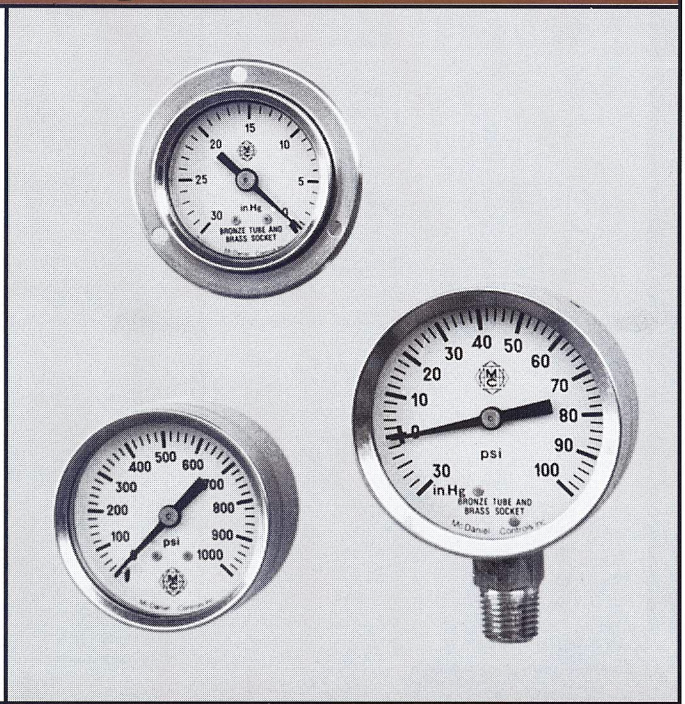
McDaniel designed its utility gauges for the price-conscious buyer and user who have an emphasis on maintaining quality and accuracy in a general purpose gauge.

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 polycarbonate. Black figures.

Case:
304 Stainless steel.

Pointer:
Black Polycarbonate.

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. (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

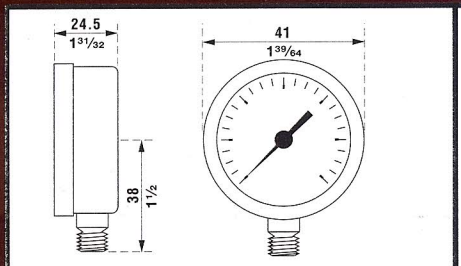
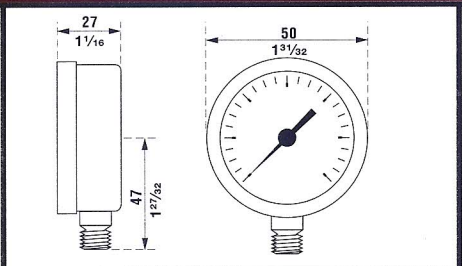
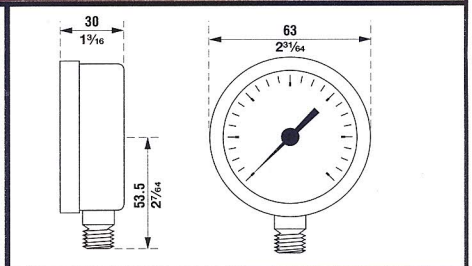
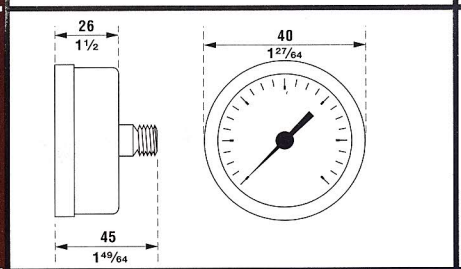
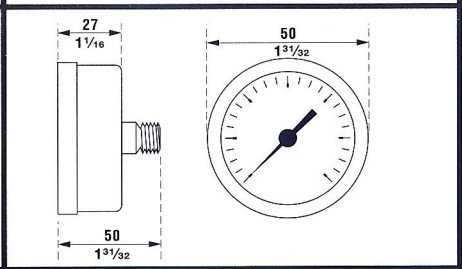
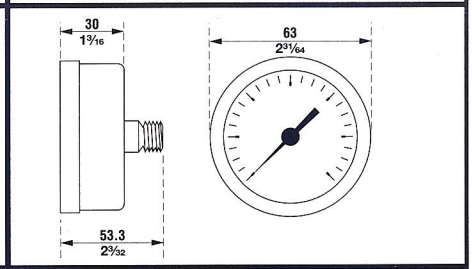
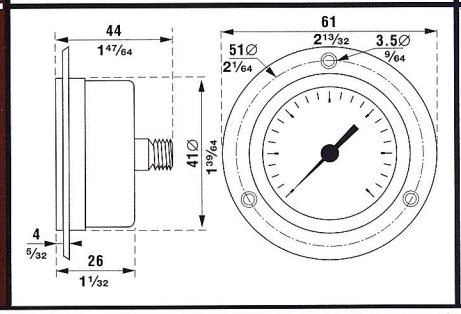
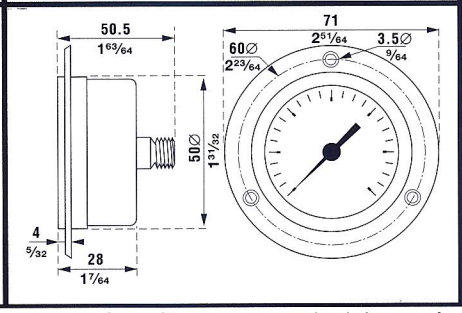
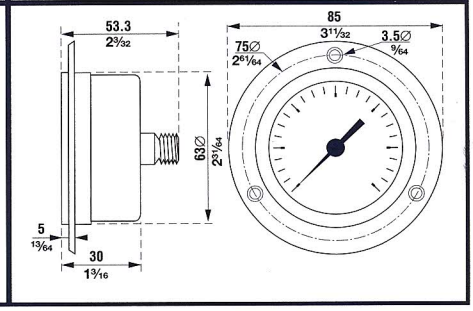
Configurations Available:
Bottom connected standard
(L) = Center-back connected
(P) = Front flange, Center-back connected

McDaniel Controls, Inc.

P. O. Box 187, Luling, LA 70070 • 14148 Highway 90, Boutte, LA 70039 U.S.A.
(985) 758-2782 • New Orleans (504) 467-1333 • Fax (985) 758-1688
www.mcdanielcontrols.com

DIMENSIONAL DATA

In milimeters (mm) and Inches (in.)

	R 7 1½ inch (40mm)	T 7 2 inch (50mm)	J 7 2½ inch (63mm)
BOTTOM CONNECT			
CENTER BACK			
PANEL MOUNT			

* 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.

® Monel is a registered trademark of INCO family of companies.

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.)

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)

Special Configuration Adder Codes

B = psi/Bar (dual scale) (nonstock)
K = psi/kPa (dual scale) (nonstock)
⅛ = ⅛" NPT (use on T7 (stock), and J7 non stock)

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
3 Park Avenue
New York, New York 10016
Phone: 212-591-7722

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