



Special Application Gauges

Series PT-1088 Combination Pressure and Temperature Gauges

DESCRIPTION

U.S. Gauge Series PT-1088 boiler gauges are designed for low cost, reliable pressure and temperature measurement in a wide range of applications.

These utility gauges are specially constructed to withstand conditions normally encountered in domestic hot water heating systems.

The 2-1/2" gauge size is ideal for installations where mounting space is limited and the larger 3-1/2" size is also available. Ranges are 0 to 50 through 0 to 200 psi pressure, with temperature ranges from 60°F to 320°F; temperature accuracy is rated to $\pm 3\%$ of span. Series PT-1088 gauges are constructed with a brass socket connection and movement.



SPECIFICATIONS

DIAL SIZE: 2-1/2", 3-1/2"

CASE: 3-1/2": Drawn steel, grey corrosion-resistant paint
2-1/2": Black paint

RING/WINDOW: 3-1/2": One-piece threaded polycarbonate
2-1/2": Polycarbonate window with chrome plated steel ring

DIAL: Steel, white background with black markings

CONNECTIONS: 3-1/2": 1/2-14 ANPT LM or LBM
2-1/2": 1/4-18 NPT CBM

TEMPERATURE ELEMENT: Helical bimetallic element enclosed in a brass bulb

SOCKET: Brass

RANGE: 60°F to 260°F (20°C to 120°C).

ACCURACY:

Pressure: ± 3 -2-3% of span (Grade B)

Temperature: $\pm 3\%$ of span

SIZE AND RANGES:

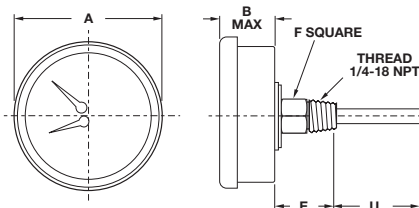
1/2-14 LM: 3-1/2", 50 psi (350 kPa) and 60°F to 260°F (20°C to 120°C)

1/2-14 LBM: 3-1/2", 50 psi (350 kPa) and 60°F to 260°F (20°C to 120°C)

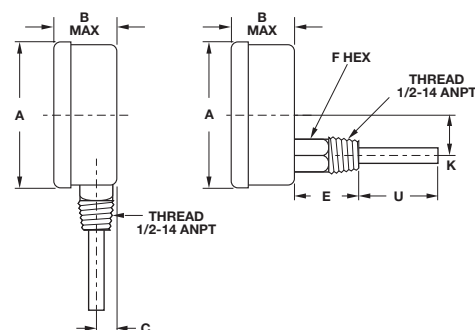
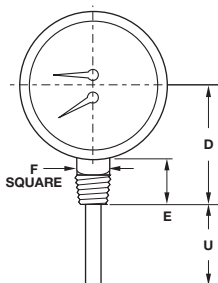
1/4-18 CBM: 2-1/2", 75 psi (500 kPa) and 60°F to 320°F (20°C to 160°C)

1/2-14 LM: 3-1/2", 200 psi (1400 kPa) and 80°F to 320°F (30°C to 160°C)

1/2-14 LBM: 3-1/2", 200 psi (1400 kPa) and 80°F to 320°F (30°C to 160°C)



INCHES
(MM)



MODEL	UNIT	DIAL SIZE	ØA	B	C	D	E	F	K	U
PT-1088	inches mm	3-1/2" LM	3.74 95.0	1.57 39.88	.54 13.72	2.95 74.93	1.08 27.43	.88 22.35	-	2.00 50.8
PT-1088	inches mm	3-1/2" LBM	3.74 95.0	1.24 31.50	-	-	1.64 41.66	.88 22.35	.95 24.13	2.00 50.8
PT-1088	inches mm	2-1/2" CBM short shank	2.84 72.0	1.20 30.5	-	-	.87 22.10	.62 15.9	-	1.61 40.9
PT-1088	inches mm	2-1/2" CBM long shank	2.84 72.0	1.20 30.5	-	-	2.01 51.05	.62 15.9	-	1.61 40.9

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SPEC NUMBER SELECTION CHART

2-1/2" PT-1088 Round Case

Model Number	Range	Socket Shank Length	1/4-18 NPT CBM Spec No.
PT-1088K	75 psi / 60°F-320°F	.87"	199960
PT-1088K	75 psi / 60°F-320°F	2.01"	199961

3-1/2" PT-1088 Round Case

Model Number	Range	1/2-14 ANPT LM Spec No.	1/2-14 ANPT LBM Spec No.
PT-1088	50 psi / 350 kPa 60°F-250°F / 20°C-120°C	144434	144435
PT-1088	2000 psi / 1400 kPa 80°F-320°F / 30°C-160°C	144826	144827

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