

Bourdon Tube Pressure Gauge

Type 111.25DW Contractor Gauge for Drinking Water Application

Drinking Water Series - 4½" SS Case

WIKA Datasheet 111.25DW

Applications

- Contractor Gauge for applications where water is anticipated to be used for human consumption.
- For applications in which products must comply with the 2014 US Safe Drinking Water Act and NSF 61/372.

Product Features

- Brass wetted parts with lead content $\leq 0.25\%$.
- Stainless steel case.
- $\pm 1\%$ accuracy.
- Reliable and economical.
- NSF/ANSI 61 listed and certified to NSF/ANSI 372 and conforms with the lead content requirements for lead-free plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

Specifications

Design

ASME B40.100

Sizes

4½" (115mm)

Accuracy class

$\pm 1\%$ of span (ASME B40.100 Grade 1A)

Ranges

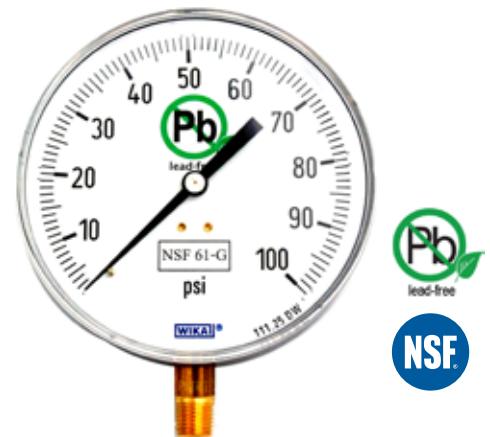
Vacuum/Compound to 200 psi (16 bar)
Pressure from 15 psi (1 bar) to 600 psi (40 bar)
or other equivalent units of pressure or vacuum

Working pressure

Steady: $\frac{3}{4}$ of full-scale value
Fluctuating: $\frac{2}{3}$ of full-scale value
Short time: full-scale value

Operating temperature

Ambient: -40°F to 140°F (-40°C to 60°C)
Media: 140°F (+60°C) maximum



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Temperature error

Additional error when temperature changes from reference temperature of 68°F (20°C) $\pm 0.4\%$ of span for every 18°F (10°K) rising or falling.

Pressure connection

Material: Lead-free copper alloy (lead content $\leq 0.25\%$)
¼" NPT lower mount (LM)

Bourdon tube

Material: Lead-free copper alloy
C-shape

Solder

No-lead solder

Movement

Copper alloy

Dial

White aluminum with stop pin and black lettering

Pointer

Black aluminum

Case

Stainless steel, matte finish

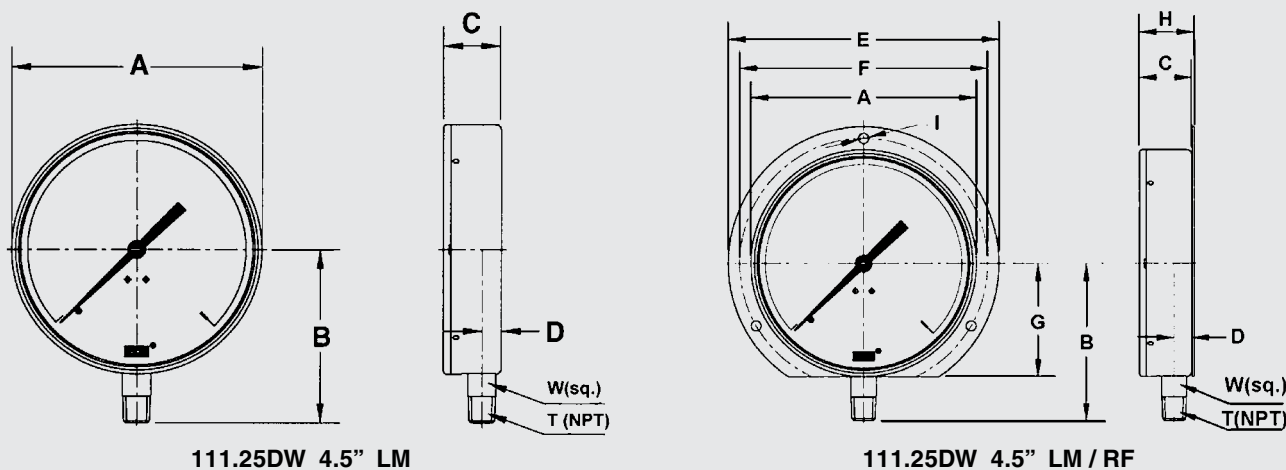
Window

Snap-in polycarbonate

Optional Extras

- Stainless steel rear flange
- Brass restrictor
- Custom dial layout
- Other pressure scales available:
bar, kPa, MPa, kg/cm² and dual scales

Dimensions



Size		(Standard Version)											
		A	B	C	D	E	F	G	H	I	T	W	Weight
4.5"	mm	124	86	29.2	9.8	149	137	62	30.5	5.6		14	
	in	4.88	3.38	1.15	0.39	5.87	5.37	2.44	1.20	0.22	1/4"	0.55	0.80 lb.



Ordering information

Pressure gauge model / Nominal size / Scale range / Size of connection / Optional extras required.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.

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