

Bourdon Tube Pressure Gauge Type 116.15 Direct Drive Gauge Standard Series

WIKA Datasheet 116.15

Applications

- Compressed gas regulators
- Suitable for all media that will not obstruct the pressure system or attack copper alloy parts



Special features

- Direct drive movement
- Small diameter
- Reliable and economical

Standard Features

Design

EN 837-1

Sizes

1.4" & 1.6" (36 & 41 mm)

Accuracy class

± 3/2/3% of span (ASME B40.100 Grade B)

Ranges

Pressure from 1,500 psi to 6,000 psi
or other equivalent units of pressure

Working pressure

Steady: 3/4 of full scale value
Fluctuating: 2/3 of full scale value
Short time: full scale value

Operating temperature

Ambient: -20°F to 140°F (-4°C to 60°C)
Media: +140°F (+60°C) maximum

Temperature error

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

Connection

Material: Copper alloy
1/8" NPT center back mount (CBM)

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Material: Beryllium copper
Spiral type

Dial

White plastic with black lettering (180° scale)

Pointer

Brass, black

Case

Stainless steel

Window

Polycarbonate

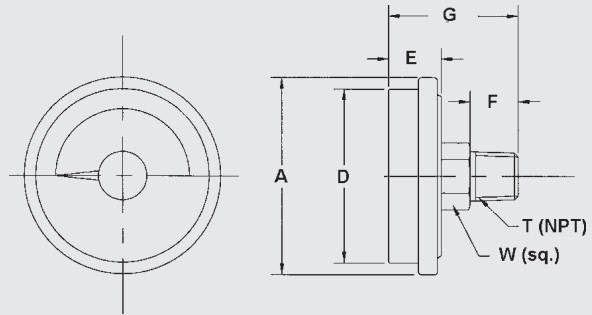
Approvals

UL listed for ranges 3,000 psi and 4,000 psi

Optional Extras

- Nickel-plated connection
- Black or green rubber boot
- Cleaned for oxygen service
- Special threaded connection
- Custom dial layout
- Other pressure scales available:
bar, kPa, MPa, kg/cm² and dual scales

Dimensions



Size		A	D	E	F	G	T	W	Weight
1.4"	mm	36	31	11	10	27			
	in	1.41	1.22	0.43	0.39	1.06	1/8"	7/16"	0.05 lb.
1.6"	mm	41	36	11	10	27			
	in	1.61	1.42	0.43	0.39	1.06	1/8"	7/16"	0.06 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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