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Find the *Wika 111.10 1.5* at our website: *Click HERE*

Bourdon Tube Pressure Gauge
Type 111.10, Black Plastic or Painted Steel Case
Standard Series - Lower Mount

Applications

- Hydraulic and pneumatic systems
- Pumps, compressors, water systems, regulators
- Suitable for fluid medium which does not clog connection port or corrode copper alloy



Bourdon Tube Pressure Gauge Type 111.10

Product features

- Copper alloy wetted parts
- Black plastic or painted steel case
- Lower mount (LM) process connection

Specifications

Design
EN837-1 and ASME B40.100

Sizes (All sizes not stocked)
1½", 2", 2½" and 4" (40, 50, 63, and 100 mm)

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

Ranges (All ranges not stocked)
Vacuum/Compound to 30 "Hg (-1 bar) / 0/ 200 psi (16 bar)
Pressure from 15 psi (1 bar) to 6,000 psi (400 bar)
or other equivalent units of pressure or vacuum
Receiver scales 3...15 psi (0.2 ... 1 bar)

Working pressure
Steady: 3/4 of full scale value
Fluctuating: 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

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

Pressure connection
Material: copper alloy
Lower mount (LM)
1/8" or 1/4" NPT

Bourdon Tube
Material: copper alloy
≤ 870 psi (60 bar): C-shape
> 870 psi (60 bar): Helical

Movement
Copper alloy

Dial
White plastic with stop pin (1½", 2", 2½")
White aluminum with stop pin (4")
Black or black and red lettering

Pointer
Black ABS plastic (1½", 2", 2½" LM)
Black aluminum (4" LM)

Case
Black plastic

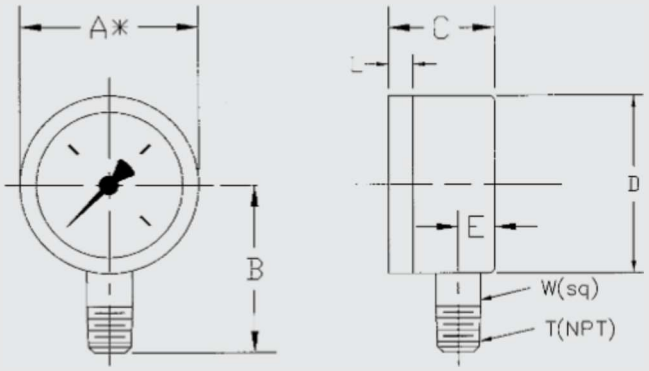
Window
Crystal-clear plastic, snap-fit

Optional Extras

- Accuracy ± 2/1/2% of span (ASME B40.100 Grade A)
- Slip-fit or friction ring
- Case with blowout plug
- Glass window (requires slip-fit or friction ring)
- Black painted steel case
- Stainless steel case
- Brass polished case and friction ring (2½" only)
- Special case colors
- Special connections (limited to wrench flat area)
- Cleaned for oxygen service
- Nickel plated connection
- Medical specification
- Rubber cover (2", 2½")
- Custom dial layout
- Other pressure scales available:
  bar, kPa, MPa, kg/cm² and dual scales
- EN standards
- Red set pointer on aluminum dial or on snap-on window
- External adjust red drag pointer
  (black steel - 2½" case only)

Note: [1]Press-fit brass restrictor standard for 111.10B, 1,000 psi to 6,000 psi

Dimensions



Type 111.10

Size		A	B	C	D	E	L	T	W
1.5”	mm	40	36	26	39	9.6	3.2		14
	in	1.50	1.42	1.02	1.54	0.38	0.13	1/8”	0.55
2”	mm	50	45	27	49	10	3.3		14
	in	1.97	1.77	1.06	1.93	0.39	0.13	1/4”	0.55
2.5”	mm	63	53.5	28	61.5	10	3.4		14
	in	2.48	2.11	1.10	2.42	0.39	0.14	1/4”	0.55
4”	mm	100	83.5	30	99	11.5	3.8		14
	in	3.94	3.29	1.18	3.9	0.45	0.15	1/4”	0.55

Type 111.10B (brass case version)

Size		A	B	C	D	E	L	T	W
2.5”	mm	63	52	27	61.5	9.5	10		14
	in	2.48	2.05	1.06	2.42	0.37	0.39	1/4”	0.55

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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