

## Commercial Gauges

### Wika Commercial Gauge Black ABS Case Copper Alloy Wetted Parts



#### Applications

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

#### Standard Features

##### Design

EN837-1 and ASME B40.100

##### Sizes (All sizes not stocked)

1 1/2", 2", 2 1/2" & 4" (40, 50, 63, & 100 mm)

##### Accuracy class

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

##### Ranges (All ranges not stocked)

Vacuum/Compound to 30 Hg / 0/ 200 psi  
Pressure from 15 psi to 5,000 psi or other equivalent units of pressure or vacuum  
Receiver scales 3...15 psi

##### 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% for every 18°F (10°C) rising or falling.  
Percentage of span.

#### Special Features

- Copper alloy wetted parts
- ABS plastic or painted steel case
- Lower mount (LM) process connection
- Center Back Mount (CBM) Process Connection

#### Pressure connection

Material: copper alloy  
Lower mount (LM) & Center Back Mount (CBM)  
1/8" or 1/4" NPT

#### Bourdon Tube

Material: copper alloy  
30" Hg (Vac) to 600 psi C-type  
800 psi to 5,000 psi helical type

#### Movement

Copper alloy

#### Dial

White plastic with stop pin (1 1/2", 2", 2 1/2")  
White aluminum with stop pin (4")  
Black or black and red lettering

#### Pointer

Black ABS plastic (1 1/2", 2", 2 1/2")  
Black aluminum (2", 2 1/2" and 4")

#### Case

Black ABS plastic

#### Window

Snap-in acrylic

#### Optional Extras

- Accuracy +/- 2/1/2% of span (ASME B40.100 Grade A)
- Slip-fit or friction ring (LM only)
- Case with blowout plug (LM only)
- U-clamp Panel mounting (CBM only)
- Front flange (CBM only)
- Slip-fit or friction ring (CBM only)
- Case with weep hole (CBM only)
- Glass window
- Black painted steel case
- Stainless steel case
- Brass polished case & friction ring (LM 2 1/2" only)
- Special case colors
- Special connections (limited to wrench flat area)
- Cleaned for oxygen service
- Nickel plated connection
- Medical specification
- Rubber cover (2", 2 1/2")
- Custom dial layout
- Other pressure scales available: bar, kPa, MPa, kg/cm<sup>2</sup>, and dual scales
- DIN standards
- Red set pointer on aluminum dial or on snap-on window
- External adjust red drag pointer (black steel – 2 1/2" case only)

### Ordering Information

PG-C

#### Dial Size and Connection

##### Low Mount

112LM18	1 1/2" Dial, 1/8" NPT
2LM18	2" Dial, 1/8" NPT
2LM14	2" Dial, 1/4" NPT
212M14	2 1/2" Dial, 1/4" NPT
4LM14	4" Dial, 1/4" NPT

##### Center Back Mount

112CBM18	1 1/2" Dial, 1/8" NPT
2CBM18	2" Dial, 1/8" NPT
2CBM14	2" Dial, 1/4" NPT
212CBM14	2 1/2" Dial, 1/4" NPT
4CBM14	4" Dial, 1/4" NPT

#### Available Pressure Settings

15 PSI	600 PSI	30" Hg
30 PSI	800 PSI	30"-0-15 PSI
60 PSI	1000 PSI	30"-0-30 PSI
100 PSI	1500 PSI	30"-0-60 PSI
160 PSI	2000 PSI	30"-0-100 PSI
200 PSI	3000 PSI	30"-0-160 PSI
300 PSI	5000 PSI	30"-0-200 PSI
400 PSI	10000 PSI	30"-0-300 PSI
		(Not available 2" Dial for Low Mount)
		30"-0-400 PSI
		(Not available 2" Dial for Low Mount)

#### Certification

OX – Oxygen Cleaning  
  
NIST – certificate of calibration (optional)  
  
OX-NIST – Both