

Bourdon Tube Pressure Gauge Test Gauge Series, Class 0.1 Type 342.11

WIKA Datasheet 342.11



Applications

- For gaseous and liquid media that are not highly viscous or crystallizing
- Precision measurement in laboratories
- Highest-accuracy pressure measurement
- Testing and calibration of industrial type pressure gauges

Product features

- Knife edge pointer and dial with mirror band scale for optimal accuracy of reading
- Precise movement with wear parts of argentan
- Particularly easy-to-read scale due to nominal size 10" (250 mm)
- Scale ranges up to 0 ... 20,000 psi (1600 bar)

Specifications

Design

EN 837-1, including transport case and calibration test certificate (individual listing of the calibration points)

Nominal size

10" (250 mm)

Accuracy class

0.1

Scale ranges

0 ... 15 psi to 0 ... 20,000 psi (0 ... 1.0 bar to 0 ... 1600 bar) or all other equivalent vacuum or combined pressure and vacuum ranges

Adjustment medium

≤ 360 psi (25 bar): Gas
> 360 psi (25 bar): Oil



Test gauge series model 342.11

Pressure limitation

Steady: Full scale value
Fluctuating: 0.9 x full scale value

Permissible temperature

Ambient: -24 ... +140 °F (-20 ... +60 °C)
Medium: +212 °F (+100 °C) maximum

Temperature error

Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.8% of span for every 18°F (10°K) rising or falling.

Ingress protection

IP 54 per EN 60529 / IEC 529

Standard version

Process connection

Stainless steel,
lower mount (LM)
¼" NPT female

Pressure element

Ni-Fe-alloy (Ni-Span C),
≤ 100 bar (70 bar): C-shape
> 100 bar (70 bar): Helical

Movement

Cu-alloy, wear parts argentan

Dial

Aluminium, white, black lettering, scale over 330°, with mirror band scale, for zero adjustment rotatable by ±15°

Pointer

Knife edge pointer, aluminium, black

Case

Flange ring type case, cast aluminium, black-silver finish

Window

Green tinted non-reflecting plastic

Bezel ring

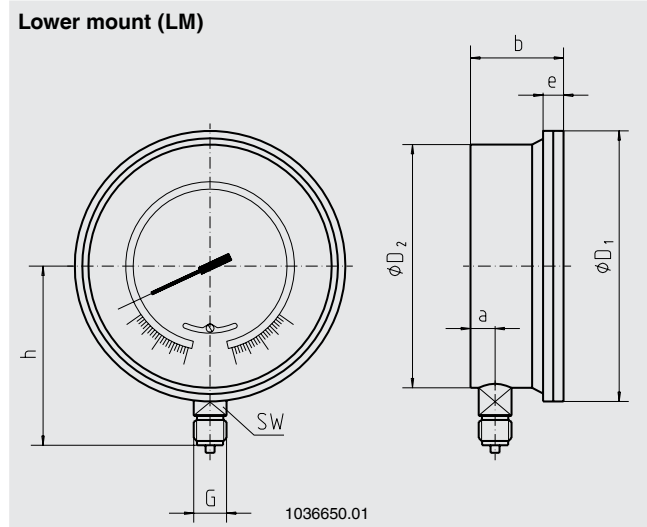
Flange ring, aluminium, black-silver finish

Options

- Other process connection
- Adjustment medium oil with scale ranges ≥ 4 bar
- Surface mounting flange
- Suitable for panel mounting (by means of clamp)
- After-sales service booklet for 3 recalibrations
- Capsule pressure gauge for low pressures from 0 ... 6 mbar (type 612.11, see Dataheet 612.11)

Dimensions in mm

Standard version



NS	Dimensions in mm								Weight in kg
	a	b	D1	D2	e	G	h ± 1	SW	
250	22	78	277	250	16.5	G ½ B	165	22	6.00

Process connection per EN 837-1 / 7.3

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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