

Differential Pressure Gauges Model 711.11, with Bourdon Tube Element, Vee Entry

WIKA Data Sheet PM 07.01

Applications

- Measurement of differential pressure or duplex measurement of 2 pressures applied
- Suitable for all gaseous and liquid media that will not obstruct the pressure system or attack copper alloy parts
- Heating, ventilation and air-conditioning

Special Features

- Moving dial for differential pressure
- Cost-effective and reliable
- Scale ranges from 0 ... 0.6 bar



Differential Pressure Gauge Model 711.11

Description

Design

Two independent bourdon tube pressure elements, pressure entry by integral vee-stem

Nominal size

100 and 160 mm

Accuracy class

1.6

Scale ranges

0 ... 0.6 to 0 ... 60 bar

or equivalent other units of pressure or vacuum.

Scale range must be selected in consideration of the highest static pressure applied.

The pressure differential to be indicated should be no less than $\frac{1}{6}$ of the full scale range.

When ordering please state both, the static pressure applied and the differential pressure to be indicated

Working pressure

Steady: $\frac{3}{4}$ x full scale value

Fluctuating: $\frac{2}{3}$ x full scale value

Short time: full scale value

Operating temperature

Ambient: -20 ... +60 °C

Medium: +60 °C maximum

Temperature effect

When temperature of the pressure element deviates from reference temperature (+20 °C):

max. ± 0.4 %/10 K of true scale value

Ingress protection

IP 33 per EN 60 529 / IEC 529

Standard features

Pressure connection

Material: Cu-alloy
Lower mount (LM), 2 x G 1/2 B (male)
identified ⊕ and ⊖

Pressure elements

Cu-alloy, C-type

Movement

Cu-alloy, wear parts argentan

Dial

White aluminium with black lettering
dual pressure scale (mWS/bar)

Pointer

Aluminium
1 black pointer
1 white graduated disk indicator scale
± 50% of ⊕ and ⊖ differential pressure scale

Case

Black finish steel case

Window

Instrument glass

Bezel ring

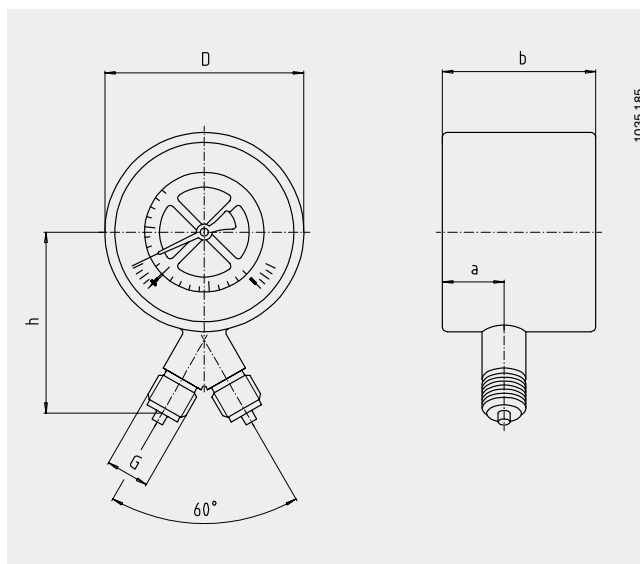
Slip-on ring, black finish steel

Optional extras

- Other pressure connection
- 1 each black and red pointer indicating independently (duplex indication)
- 3-hole panel or surface mounting flange
- 160 mm only: alarm contacts (see data sheet AC 08.01), subtracting movement obligatory

Dimensions in mm

Standard version



NS	Dimensions in mm					Weight in kg
	a	b	D	G	h ± 1	
100	31.5	82	101	G 1/2 B	91	1.00
160	31.5	86.5	160	G 1/2 B	120	1.60

Standard pressure entry with parallel thread and sealing to EN 837-1 / 7.3

Ordering information

Pressure gauge model / Nominal size / Scale range / Differential or duplex pressure indication / Maximum pressure applied / Maximum pressure differential / Size of connection / Optional extras required

Modifications may take place and materials specified may be replaced by others without prior notice.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.

