

OBSOLETE

SF₆ gas excellence

Gas density indicator (GDI) Model 233.52.063

WIKA data sheet SP 60.21

Applications

- Gas density monitoring of medium voltage switchgears filled with SF₆ gas
- Ring main units

Special features

- Temperature compensation simulating the isochors action of SF₆ gas
- Hermetically sealed, therefore no influence by atmospheric pressure fluctuation and differences in altitude
- Wetted parts: stainless steel
- Serial number



Gas density indicator, model 233.52.063

Description

Nominal size in mm

63

Accuracy of calibration pressure (relating to the measuring span)

±1 % (min. 20 mbar) at ambient temperature +20 °C
±2,5 % (min. 50 mbar) at ambient temperature -20 ... +60 °C

Scale ranges

All +/- ranges with a measuring span of min. 1 bar
(SF₆ gas pressure at +20 °C)

Calibration pressure

Ordering specification, compensation according to the theory of Dr. engineer R. Döring, KALI AG.

Permissible temperature

Ambient: -20 ... +60 °C (gas phase)
Storage: -30 ... +60 °C

Process connection

Stainless steel
centre back mount (CBM)
G ¼ B (male), 14 mm flats

Pressure element

Stainless steel, welded
Gas tight: leakage rate ≤ 1 · 10⁻⁸ mbar · l / s
Test method: spectrometry of helium mass

Movement

Stainless steel
Bimetal link (temperature compensation)

Dial

Aluminium, red-green section as ordering specifications
Black mark at filling pressure

Pointer

Aluminium, black

Case

Stainless steel, with gasfilling

Gas tight: leakage rate $\leq 1 \cdot 10^{-5}$ mbar · l / s

Test method: spectrometry of helium mass

Window

Laminated safety glass

Bezel ring

Cam ring (bayonet type), stainless steel, secured with safety label

Ingress protection

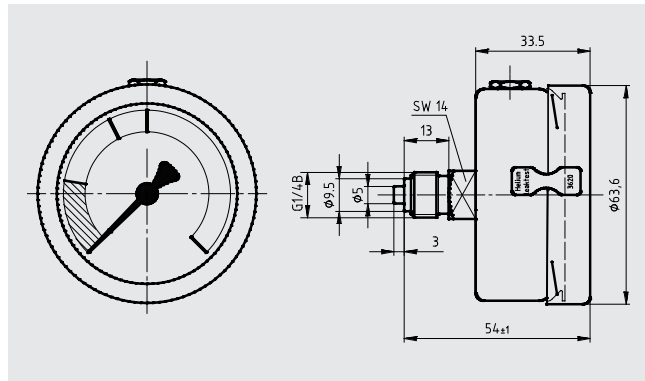
IP 65 per EN 60529 / IEC 529

Weight

Approx. 0.16 kg

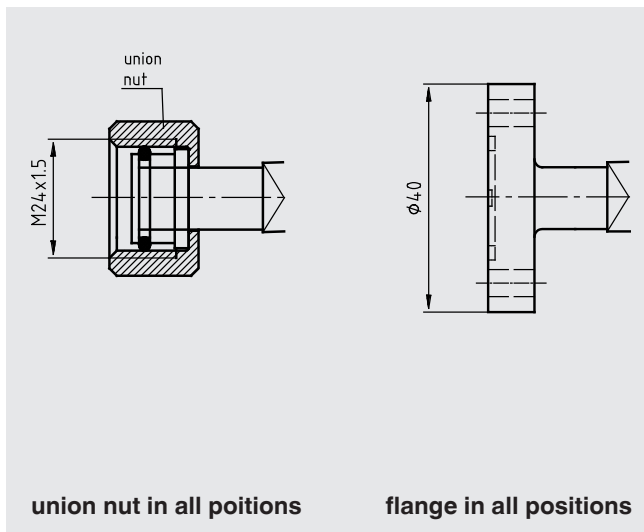
Dimensions in mm

Standard version

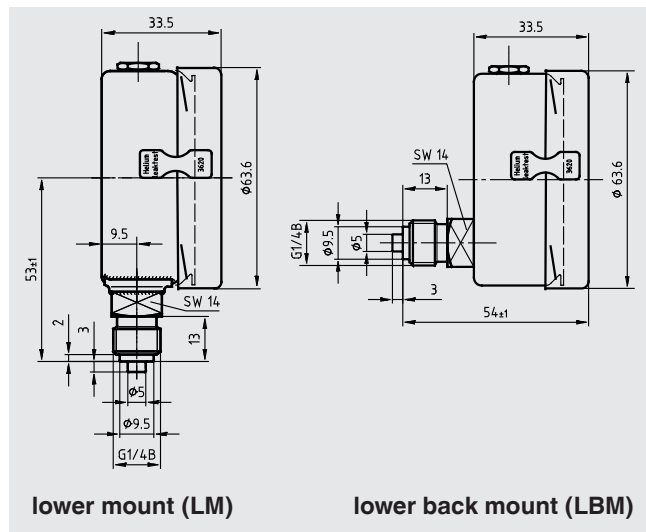


Options

■ Other process connections



■ Other process connection positions



■ Acrylic glass window

Ordering information

Model / Nominal size / Scale range / Connection thread / Position of connection / Filling pressure / Calibration pressure /

Options

© 2013 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.
The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.



WIKAI
WIKAI Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany
Tel. +49 9372 132-0
Fax +49 9372 132-406
info@wika.de
www.wika.de