

UHP Flow-Through-Gauge Diaphragm Pressure Gauge, Nominal Size 2" Type 432.25 (FTG)

WIKA Datasheet 432.25C

Applications

- Suitable for gaseous, liquid and corrosive media, also in a corrosive environment, for demanding high purity applications.
- Semiconductor and flat panel industry
- Gas distribution systems
- Medical gases
- Hook-up application

Special Features

- No dead volume in the pressure gauge
- Low internal volume for reducing particle generation and entrapment
- Compact design
- Helium leak tested, leak rate $\leq 10^{-9}$ mbar · l/s
- Electropolished internals and case, internal surface finish $R_a \leq 0.25\mu\text{m}$
- All high purity connections available

Standard Features

Sizes

2" (58 mm)

Accuracy class

Grade B according to ASME B40.100
accuracy higher upon request

Ranges

-30 inHg ... +60 psi

-30 inHg ... +130 psi

or other equivalent units of pressure or vacuum

Operating temperature

Ambient: -15°F ... 140°F (-10°C ... 60°C)

Media: 140°F (+60°C) maximum



UHP Flow-Through-Gauge, Type 432.25 - 2"

Pressure connection

All UHP connections available

Pressure element

Material: Inconel

Dial

White aluminum with black/red lettering,
dual scale pressure scale (bar/psi)

Pointer

Black aluminum

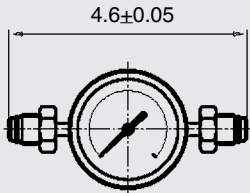
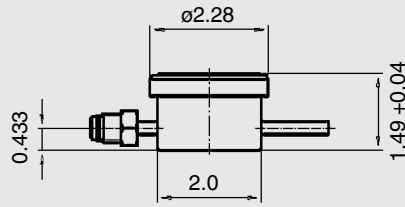
Case

316L SS, electro-polished

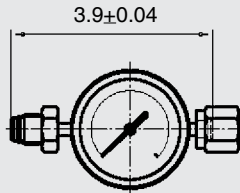
Window

One piece polycarbonate screw-on

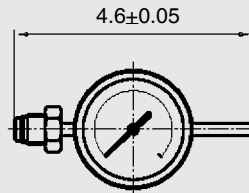
Process connection (dimensions in ")



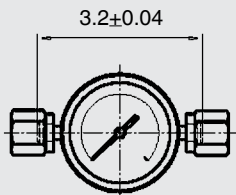
1/4" Face seal swivel male



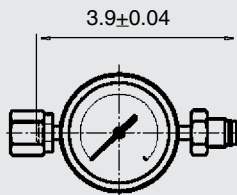
1/4" Face seal swivel male / Face seal swivel female



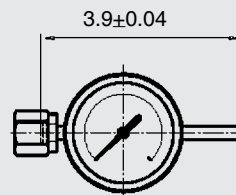
1/4" Face seal swivel male/ O.D. tube



1/4" Face seal swivel female

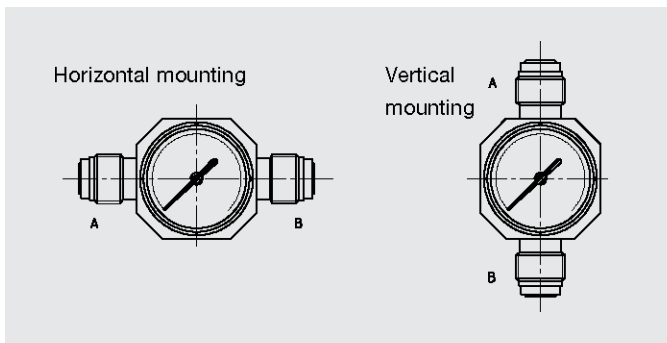


1/4" Face seal swivel female/ Face seal swivel male



1/4" Face seal swivel female/ O.D. tube

Mounting position



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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