Bourdon tube pressure gauge
Back mount, with VdS approval
Model 111.12.040

Applications

- Pressure gauge for indicating and monitoring the pressure in tanks
- Pressure gauge for use in gas extinguishing systems per EN 12094-10 (VdS certificate)

Special features

- Reliable and cost-effective
- Design per EN 837-1 and EN 12094-10
- Nominal size 40
- Scale ranges 0 ... 16 bar to 0 ... 400 bar

Description

The model 111.12.040 with VdS approval was specifically certified for use in fixed gas extinguishing systems by VdS Schadenverhütung GmbH in accordance with DIN EN 12094-10. Among experts within the fire protection industry, this approval is increasingly being recognised as an important safety feature and creates confidence among producers and operators of fire protection systems. With the offer of VdS approved pressure measuring instruments, WIKA is supporting its customers in the fire protection industry to fulfil the criteria required by authorities and insurance companies.

The certificate is available for download online, on the product page.
Standard version

Design
EN 837-1 and EN 12094-10

Nominal size in mm
40

Accuracy class
1.6

Scale ranges
0 … 16 bar to 0 … 400 bar

Pressure limitation
Steady: 3/4 x full scale value
Fluctuating: 2/3 x full scale value
Short time: Full scale value

Permissible temperature
Ambient: -20 … +60 °C
Medium: +60 °C maximum

Temperature effect
When the temperature of the measuring system deviates from the reference temperature (+20 °C): max. ±0.4 %/10 K of the span

Process connection
Copper alloy, G ⅛ B (male), centre back mount

Pressure element
Copper alloy

Movement
Copper alloy

Dial
■ Plastic (ABS), white
■ Aluminium, white (option)

Pointer
■ Plastic (ABS), black
■ Aluminium/plastic, black (option)

Case
Stainless steel

Window
■ Polycarbonate, snap-fitted in case
■ Laminated safety glass with slip-on bezel (option)

Ingress protection
IP54 per EN/IEC 60529

Helium leak test
Leak rate 10⁻⁵ mbar*l/s

Dimensions in mm

Process connection per EN 837-1 / 7.3

<table>
<thead>
<tr>
<th>NS</th>
<th>Dimensions in mm</th>
<th>Weight in kg</th>
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Approval
VdS per EN 12094-10

Ordering information
Model / Nominal size / Scale range / Connection size / Options

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