Test gauge, stainless steel
Test instrument, safety version
Model 332.11, class 0.6, NS 160

Applications
- Mobile precision measurement under special safety
- For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive ambience
- High-accuracy pressure measurement
- Testing of industrial type pressure gauges

Special features
- Safety pressure gauge with solid baffle wall designed in compliance with operational safety requirements of EN 837-1
- All stainless steel construction
- Knife edge pointer for optimal accuracy of reading
- Wear-resistant precision movement from stainless steel
- Scale ranges up to 0 ... 600 bar

Description
Design
EN 837-1

Nominal size in mm
250

Accuracy class
0.6

Scale ranges
0 ... 0.6 to 0 ... 600 bar
or all other equivalent vacuum or combined pressure and vacuum ranges

Adjustment medium
≤ 25 bar: Gas
> 25 bar: Liquid

Pressure limitation
Steady: Full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.3 x full scale value

Permissible temperature
Ambient: -40 ... +60 °C
Medium: +80 °C maximum (model 311.11)
+200 °C maximum (model 331.11)

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

Ingress protection
IP54 per IEC/EN 60529

Data sheets showing similar products:
Test gauge, safety version, NS 250 [10”]; model 322.30; see data sheet PM 03.05
Standard version

Process connection
Stainless steel 316L
Angled valve with LH-RH union M20 x 1.5

Pressure element
Stainless steel 316L
< 100 bar: C-type
≥ 100 bar: Helical type

Movement
Stainless steel

Dial
Aluminium, white, black lettering

Pointer
Knife edge pointer, aluminium, black

Case
Stainless steel, with solid baffle wall (Solidfront) and blow-out back

Window
Laminated safety glass

Ring
Bayonet ring, stainless steel

Options
- Adjustment medium by agreement
- Oil and grease free version for oxygen
- Staple for round flanges

Approvals

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Certificates (option)

- 2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)
- 3.1 inspection certificate per EN 10204 (e.g. material proof for wetted metallic parts, indication accuracy)
- PCA calibration certificate, traceable and accredited in accordance with ISO/IEC 17025
- Calibration certificate by the national accreditation body, traceable and accredited in accordance with ISO/IEC 17025 on request

Approvals and certificates, see website
Typ 332.11 in service case

Scope of delivery

- Service case 270 x 180 x 135
- LH-RH union M20 x 1.5 DIN 16283
- Adapter piece M20 x 1,5 with test flange 60 x 25 x 10
- 2 x Mounting screws M8
- 2 x Hexagon nuts M8
- 3 x Sealings 16.5 x D17
- 2 x Distance bushes
- Acceptance test certificate, examination certificate, list of single measured values

Dimensions in mm

Model 332.11

Parts of model 332.11 in service case

Ordering information

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