# DIFFERENTIAL PRESSURE GAUGES
# WITH 2 BOURDON TUBES AND 1 POINTER
## Versions in brass or stainless steel
## Connection 2 x parallel (one behind the other)

## Nominal size 100 and 160
## Accuracy class 1,6
## DIN EN 837-1

SUKU
DRUCK & TEMPERATUR

Differential pressure gauges with 2 bourdon tubes are low-priced devices for measuring two different pressures with direct display of the differential pressure.
For pressure measurements of neutral gases and liquids, for example on heating systems (flow and return) or on filter systems.

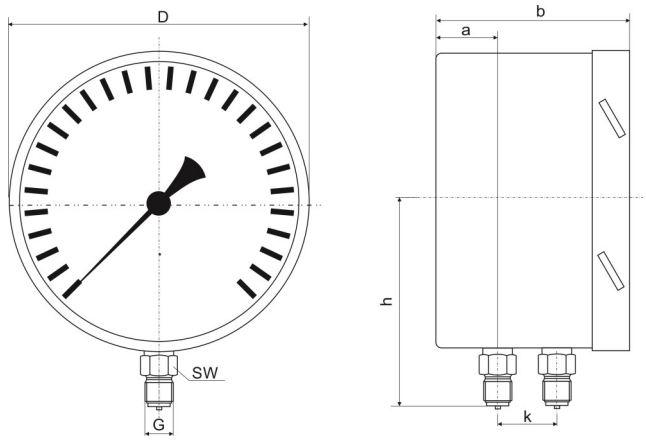
| Type | **5639** | **5640** | **5637** | **5638** | **Options** |
|---|---|---|---|---|---|
| Nominal size | 100 | | 160 | | |
| Symbol | | | | | with electrical contacts (Limit switch) |
| Accuracy | Class 1,6 | | | | |
| Measuring ranges | 0...1 bar up to 0...600 bar | | | | |
| Applications | Constant load: full scale value<br>Alternating load: 0,9 x full scale value | | | | other static pressures on request |
| Maximum static pressure: 1 pressure level higher than display | Range / max. stat. pressure<br>0...1 bar / 1,6 bar<br>0...1,6 bar / 2,5 bar<br>0...2,5 bar / 4 bar<br>0...4 bar / 6 bar<br>0...6 bar / 10 bar etc. | | | | |
| Case | CrNi-Stahl 1.4301, Blow-out | | | | with filling (glycerine) |
| Bayonet ring | CrNi-Stahl 1.4301 | | | | |
| Process connection | 2 x G1/2 B, marking + (high pressure) and - (low pressure) | | | | M20x1,5, ½“NPT<br>Orifice Ø 0,3; 0,6; or 0,8 mm |
| Wetted parts<br>Connection<br>Bourdon tube | Brass<br>≤ 40 bar Bronze<br>≥ 60 bar 1.4404 | 1.4404 / 1.4571<br>1.4404 / 1.4571 | Brass<br>≤ 40 bar Bronze<br>≥ 60 bar 1.4404 | 1.4404 / 1.4571<br>1.4404 / 1.4571 | |
| O-ring sealing | Viton | NBR | Viton | NBR | |
| Window | Instrumental glass | Laminated safety glass | Instrumental glass | Laminated safety glass | Laminated safety glass type 5639, 5637 |
| Movement | Brass and German silver | | | | |
| Dial | Aluminium white, scale black | | | | Special scale |
| Pointer | Aluminium black | | | | |
| Protection | IP54 DIN EN 60 529/IEC 529 | | | | IP65 (with filling) |
| Temperatures | without filling storage:-40°C bis +70°C, ambient: -40°C bis +60°C<br>with filling storage:-20°C bis +70°C, ambient: -20°C bis +60°C | | | | |
| Temperature Medium | ≤ 40 bar +60°C<br>≥ 60 bar +100°C | bis +100°C | ≤ 40 bar +60°C<br>≥ 60 bar +100°C | bis +100°C | Med.-temp. filled devices up to +80°C, option up to +100°C |
| Temperature drift | up to 0,4% at 10 K deviation of reference temperature 20°C | | | | |
| Mounting optional | Rear mounting (flange back) or front mounting (front ring) | | | | |

## Dimensional drawing

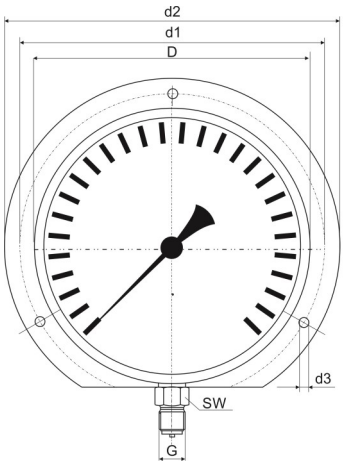
Dimensions in mm

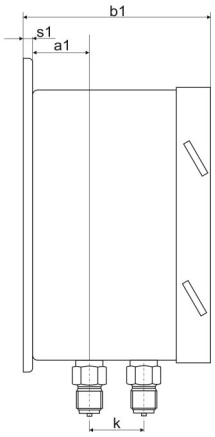
DRUCK & TEMPERATUR

### Type 5637, 5638, 5639, 5640

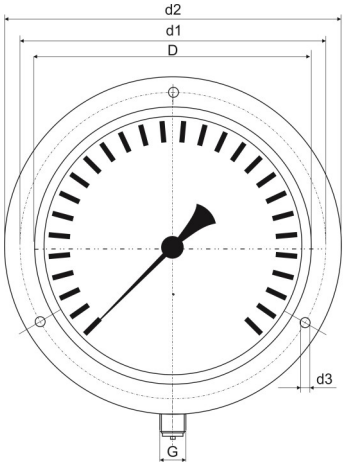


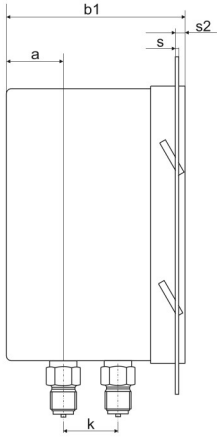

### Flange back




### Front ring




Front mounting at filled devices: with welded bracket and loose front ring

| Type | NG | D | d1 | d2 | a | a1 | b | b1 | s | s1 | s2 | k | d3 | SW | G | Weight, without filling and mounting |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5637** | 100 | 101 | 116 | 132 | 15 | 19 | 83 | 86 | 2 | 6 | 6 | 32 | 4,8 | 22 | G 1/2 B | approx. 0,9 kg |
| **5638** | 100 | 101 | 116 | 132 | 15 | 19 | 83 | 86 | 2 | 6 | 6 | 32 | 4,8 | 22 | G 1/2 B | approx. 0,9 kg |
| **5639** | 160 | 161 | 178 | 196 | 33 | 37 | 104 | 106,5 | 2 | 6 | 6 | 32 | 5,8 | 22 | G 1/2 B | approx. 1,5 kg |
| **5640** | 160 | 161 | 178 | 196 | 33 | 37 | 104 | 106,5 | 2 | 6 | 6 | 32 | 5,8 | 22 | G 1/2 B | approx. 1,5 kg |

**SUKU Druck- und Temperaturmesstechnik GmbH**
Garnsdorfer Hauptstraße 109 • 09244 Lichtenau / Sachsen - GERMANY
Tel.: +49 37208 / 2717 • Fax: +49 37208 / 61713 • contact@suku.de • www.suku.de



© 2020 SUKU Druck- und Temperaturmesstechnik GmbH.
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.