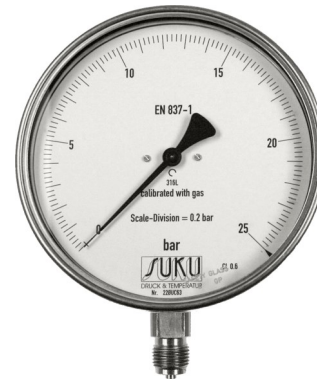




**TEST GAUGE FOR CHEMISTRY APPLICATION  
ACCORDING TO DIN EN 837-1  
also as safety version acc. to DIN EN 837-1/S3**



**Nominal size 160  
Connection position radial bottom  
or back excentric  
Class 0,6**



For exact pressure measurement and pressure tests on containers, for pipes, for laboratory environment and for quality management. Through scale division and knife edge pointer the measurement values can be read exactly.

| Type                         | 8761  | 8781   | Options   |
|------------------------------|---|--|---|
| Nominal size                 | 160   |  | NS100 Type <b>5331</b> as test gauge<br>0...1 up to 0...400 bar<br>Type <b>8801</b> = Safety version S3 |
| Symbol                       |   |  | With glycerine filling (possible from 0...2,5 bar up to 0...600 bar)                                    |
| Accuracy class               | class 0,6 acc. to DIN EN 837-1  |  |   |
| Display range                | 0...0,6 bar up to 0...1600 bar, negative and/or positive over-pressure: -0,6...0 bar up to -1...+15 bar   |  |   |
| Field of application         | Static load: full scale value<br>Alternating load: 0,9 x full scale value<br>Short-term: 1,3 x full scale value   |  |   |
| Case                         | Stainless steel, blow-out back  |  |   |
| Bayonet ring                 | Stainless steel   |  |   |
| Measuring unit               | Stainless steel   |  |   |
| Pressure connection material | Stainless steel   |  |   |
| Pressure connection          | G 1/2 B   |  |   |
| Connection position          | radial bottom   | back excentric   |   |
| Window                       | Multi-layer safety glass  |  |   |
| Pointer mechanism            | Stainless steel   |  |   |
| Dial                         | Aluminium white, scale black  |  | Special scale, mirror type scale  |
| Pointer                      | Knife edge pointer, Aluminium black   |  | Red reference pointer   |
| Protection class             | IP 54 acc. to EN 60529 / IEC 529  |  | IP 65 for filled gauges   |
| Temperatures                 | Surrounding: -20°C up to +60°C<br>Medium: -20°C up to 80°C  |  |   |
| Temperature influence        | 0,3% per 10 K deviation of the adjustment temperature (20°C)  |  |   |
| Adjustment medium            | Up to 25 bar air, from 40 bar water or oil<br>When ordering, please quote the used medium on the deployment site, because of changing the medium display changes could be possible. |  |   |
| Optional mounting            | Mounting front flange or back, triangel front ring with brackets  |  |   |

**Type 8751, 8771, 5331**

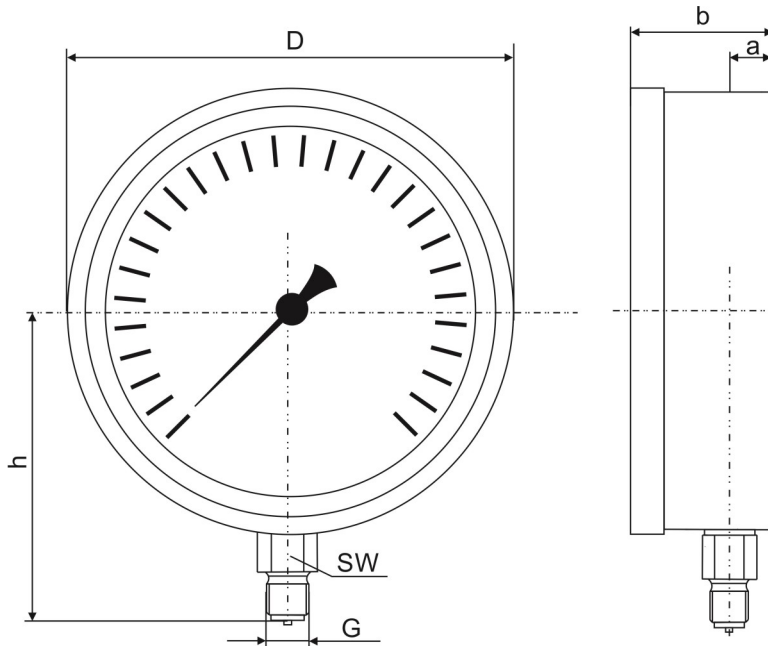
## Dimensional drawings

Dimensions in mm

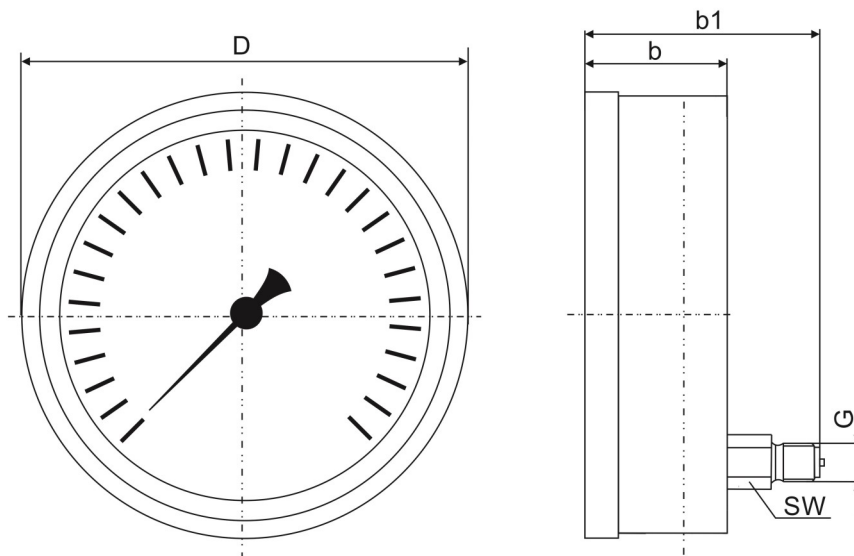


DRUCK & TEMPERATUR

### Type 8761



### Type 8781



| Type | NS  | D   | b  | b1 | a  | h   | G       | SW | Weight in kg unfilled, without mounting | Weight in kg filled, without mounting |
|------|-----|-----|----|----|----|-----|---------|----|---|---------------------------------------|
| 8751 | 160 | 160 | 51 | -  | 15 | 118 | G 1/2 B | 22 | 1,0 kg                                  | 2,1 kg                                |
| 8771 | 160 | 160 | 51 | 86 | -  | -   | G 1/2 B | 22 | 1,0 kg                                  | 2,1 kg                                |
| 5331 | 100 | 101 | 49 | -  | 15 | ~80 | G 1/2 B | 22 | 0,90 kg                                 | 1,2 kg                                |