



## ECON® Bourdon tube pressure gauge Type 933 bottom connection brass wall flange

### Characteristics

**Type:** 933

**Model:** Bourdon tube pressure gauge

**Blow-out included:** Yes

**Pressure gauge attachment:** Wall flange

**Process connection:** External thread

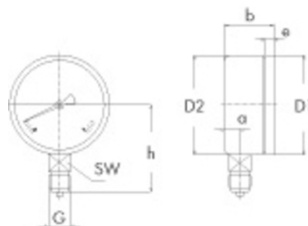
**Process connection material:** Brass

**Window material:** Plastic

**Protection class:** IP65

**Medium temperature:** -20 / 60 °C

**Ambient temperature:** -20 / 60 °C



| Case diameter | D1 | D2 | b    | e    | a    | sw | h  | f  | G   |
|---------------|----|----|------|------|------|----|----|----|-----|
| [mm]          | mm | mm | mm   | mm   | mm   | mm | mm | mm | ["] |
| 63            | 62 | 62 | 36   | 10,5 | 12   | 14 | 54 | -  | G ¼ |
| 100           | 99 | 99 | 53,5 | 11,5 | 13,5 | 22 | 87 | 30 | G ½ |

| Press./temperature  | Range         |
|---------------------|---------------|
| Ambient temperature | -20 tot 60 °C |
| Medium temperature  | +60°C max.    |

| Cabinet diameter mm | Measuring range | Pressure unit | Accuracy class | Cabinet filling fluid | Connection location | Size process connection | Cabinet material | Material dial | Maximum overpressure bar | Article  |
|---------------------|-----------------|---------------|----------------|-----------------------|---------------------|-------------------------|------------------|---------------|--------------------------|----------|
| 63                  | -1 / 1.5        | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 1.5                      | 11811781 |
| 63                  | -1 / 3          | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 3                        | 11811782 |
| 63                  | -1 / 5          | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 5                        | 13359832 |
| 63                  | 0 / 4           | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 4                        | 11811777 |
| 63                  | 0 / 6           | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 6                        | 11811778 |
| 63                  | 0 / 10          | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 10                       | 11811779 |
| 63                  | 0 / 16          | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 16                       | 11811780 |
| 63                  | 0 / 25          | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 25                       | 13359829 |
| 63                  | 0 / 100         | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 100                      | 13359830 |
| 63                  | 0 / 250         | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 250                      | 13359831 |
| 63                  | 0 / 400         | bar           | 1.6 %          | Glycerin              | Below               | 1/4" BSPP(G)            | Brass            | Plastic       | 400                      | 13359896 |
| 100                 | -1 / 0.6        | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 0.8                      | 11811788 |
| 100                 | -1 / 1.5        | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 1.9                      | 11811789 |
| 100                 | -1 / 3          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 3.9                      | 13359836 |
| 100                 | -1 / 5          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 6.5                      | 11811790 |
| 100                 | 0 / 2.5         | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 3.2                      | 11811783 |
| 100                 | 0 / 4           | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 5                        | 11811784 |
| 100                 | 0 / 6           | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 7.8                      | 11811785 |
| 100                 | 0 / 10          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 13                       | 11811786 |
| 100                 | 0 / 16          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 20                       | 11811787 |

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| Cabinet diameter<br>mm | Measuring range | Pressure unit | Accuracy class | Cabinet filling fluid | Connection location | Size process connection | Cabinet material | Material dial | Maximum overpressure<br>bar | Article  |
|------------------------|-----------------|---------------|----------------|-----------------------|---------------------|-------------------------|------------------|---------------|-----------------------------|----------|
| 100                    | 0 / 25          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 32                          | 13359833 |
| 100                    | 0 / 40          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 52                          | 13359834 |
| 100                    | 0 / 60          | bar           | 1.0 %          | Glycerin              | Below               | 1/2" BSPP(G)            | Brass            | Aluminium     | 78                          | 13359835 |

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