

## Level Meters with Diaphragm for Liquids



- Measuring range:  
0 - 600 to 0 - 6000 mm w.c.
- Accuracy  $\pm 1.6\%$  f. s.
- Pressure: max. 1.3 x f. s.
- Temperature: max. 80°C
- Connection:  
G 1/2 male thread
- Material: stainless steel
- Insensitive to impact  
and vibrations
- 20 fold excess pressure safe  
(max. 40 bar/400 m)
- Housing filling



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**Model:**  
NPF

**Description**

Due to their design and the materials used, KOBOLD level meters of model NPF with diaphragm satisfy the tough service demands in the chemical and petrochemical industry.

They are used for level measuring of low-viscosity, non-sticking media in open, unpressurized vessels. The specific weight of the medium should be taken into account.

The fixed annular diaphragm is quite insensitive to vibrations. Diaphragm pressure gauges have a relatively high actuating force.

Their stainless steel construction render the instruments resistant to aggressive environmental conditions.

**Applications**

- Chemical industry
- Petrochemical industry
- Plant engineering
- Equipment manufacturing

**Order Details** (Example: NPF-F116)

Measuring range (density 1 g/cm <sup>3</sup> )	Order number
0 to 600 mm w. c.	NPF-F116
0 to 1000 mm w. c.	NPF-F126
0 to 1600 mm w. c.	NPF-F136
0 to 2500 mm w. c.	NPF-F146
0 to 4000 mm w. c.	NPF-B156
0 to 6000 mm w. c.	NPF-B015

**Technical Details**

- Housing: Ø 100 mm, stainless steel 1.4301
- Flange: Ø 140 mm, stainless steel (100 mm for measuring range 0 - 4000 mm) w. c.
- Process connection: G 1/2 male  
Tube bend stainless steel 1.4571
- Ring: stainless steel 1.4301
- Window: safety glass
- Dial face: aluminium white
- Pointer: aluminium black
- Measuring mechanism: stainless steel
- Measuring element: Duratherm® 600 / 1.4571
- Allowed excess pressure: short-time 1.3 x of upper range value
- Medium temperature: max. 80 °C
- Accuracy: ± 1.6 % f. s.
- Ambient temperature: max. 80 °C
- Medium density: 1.0 g/cm<sup>3</sup> (others upon request)
- Option: vent hole
- Protection: IP 54

**Dimensions**

