



## Bypass Level Switch



measuring  
•  
monitoring  
•  
analysing

### NBA-2/NBE-2



- Pressure: max. 10 bar
- Temperature: max. 90 °C
- Connection: G  $\frac{3}{8}$  female  
R  $\frac{1}{2}$  male
- Material: Aluminium and stainless steel



N1

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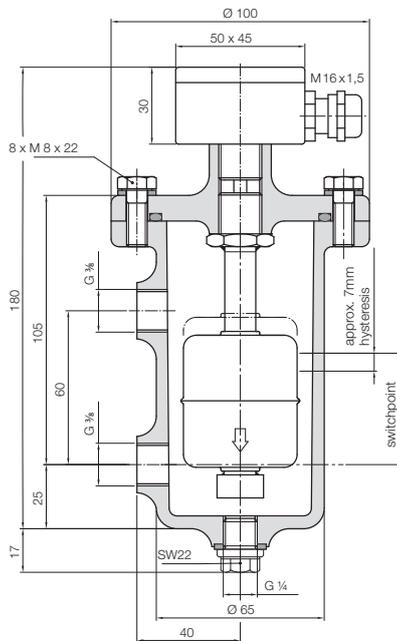
KOBOLD Messring GmbH  
Nordring 22-24  
D-65719 Hofheim/Ts.  
☎ Head Office:  
+49 (0) 61 92 299-500  
☎ +49 (0) 61 92 299-233 98  
info.de@kobold.com  
www.kobold.com

### Description

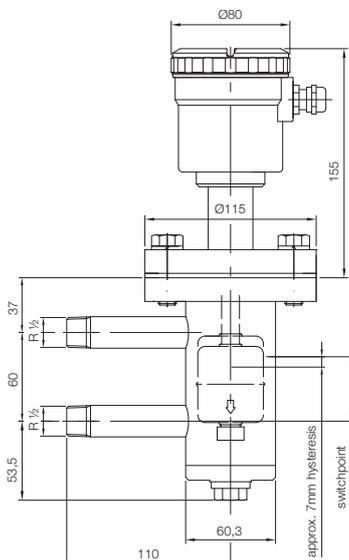
KOBOLD bypass level switches of model NBA/NBE are used when, for example, level monitoring in the bypass is needed due to lack of space (with agitators) or at high temperatures. The instrument comprises a metal housing with internally mounted magnetic level switch and operates on the principle of communicating tubes.

As soon as the housing of the bypass level switch is filled about half way with liquid, the float moves to the top and operates with the internal ring magnet a changeover contact fitted in the measuring tube. Solenoid valves, signal lamps or pumps are switched by the changeover contact by means of suitable electrical auxiliaries (relay, contactor relay).

### Dimensions NBA-2



### NBE-2



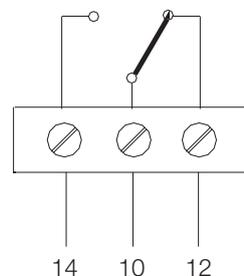
### Technical Advantages

- Lack of space in vessels
- Particularly suited for agitated and turbulent liquids e.g. for oil pans in engines, gear boxes or hydraulic units
- Simple installation on vessel side wall

### Technical Details

- Case material: aluminium (NBA), stainless steel (NBE)
- Seal: lid: NBR (NBA), PTFE (NBE)  
drain screw: PTFE
- Connections: G 3/8 female (NBA)  
R 1/2 male (NBE)
- Electr. connection box: aluminium 50x45x30 mm (NBA)  
plastic Ø 80 mm (NBE)
- Cable gland: M16x1,5  
clamp range 5-9 mm
- Measuring tube material: stainless steel 1.4571
- Float material: stainless steel 1.4571
- Medium temperature: -40...+90 °C
- Ambient temperature: -25...+80 °C
- Max. pressure: 10 bar
- Density of liquid: min. 0,65 kg/dm<sup>3</sup>
- Contact components: 1 changeover contact
- Contact material: Rhodium
- Switching capacity: max. 60 VA
- Switching voltage: max. 250 V<sub>AC</sub>
- Inrush peak: max. 1 A
- Hysteresis: approx. 7 mm
- Protection: IP 65

### Electrical Connection



### Order Details

Case material	Order number
aluminium	NBA-200 R 10
stainless steel	NBE-200 K 15