

# **Bypass Level Indicators**

with Threaded Connection



measuring • monitoring • analysing



ARGENTINA, AUSTRIA, BELGIUM, BRAZIL, CANADA, CHINA, FRANCE, GERMANY, GREAT BRITAIN, ITALY, MEXICO, NETHER-LANDS, PERU, POLAND, SWITZERLAND, USA, VENEZUELA

**Model:** NBK-01



# Description

Kobold bypass level indicators are used for continuous measurement, display and monitoring of liquid levels. The bypass tube is attached onto the side wall of the vessel.

According to the law of communicating tubes the level in the bypass tube equals the level in the vessel. A float with embedded magnets in the bypass tube follows the liquid level and transfers it in a non-contacting manner to a display fitted outside the tube or to a monitoring device. The following indication and monitoring devices are available:

### Magnetic roller indicator

As the float passes by, the red/white rollers are rotated in succession by  $180^{\circ}$  around their own axes. The rollers

change from white to red as the level rises and from red to white as the level falls. The level is continuously displayed as a red column, even when the power fails.

# Transmitter

A magnetostrictive transmitter can be mounted outside the bypass tube to teletransmit the level. A continuous standard signal of 4 to 20 mA is output by means of a fitted transmitter.

### Limit contacts

Reed contacts for limit-value acquisition or also for level control can be secured to the bypass tube.

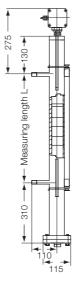
## Applications

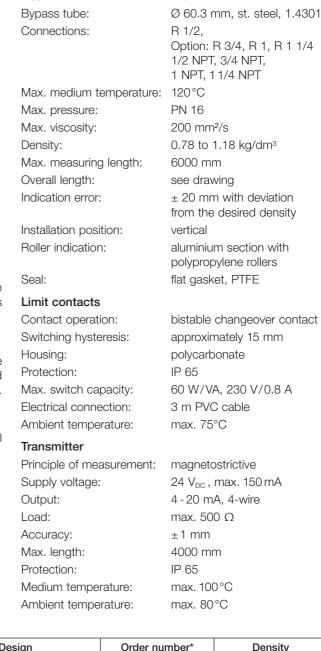
- Storage tanks
- Tanks on ships
- Mixing vessels
- Water tanks

#### Dimensions

**Technical Details** 

Float:





Titan

#### Order Details (Example: NBK-01R15 RP01A)

Desired medium density	Allowed medium density (indication error ± 20 mm)	Design	Order number*	Density
1 kg/dm <sup>3</sup>	0.9 - 1.18 kg/dm <sup>3</sup>	with roller indication	NBK-01RP0A	<b>A</b> =0.90 - 1.18 <b>C</b> =0.78 - 0.89
1 kg/dm <sup>3</sup>	0.9 - 1.18 kg/dm <sup>3</sup>	with transmitter	NBK-0100TA	
1 kg/dm <sup>3</sup>	0.9 - 1.18 kg/dm <sup>3</sup>	with roller indication and transmitter	NBK-01RPTA	
0.8 kg/dm <sup>3</sup>	0.78 - 0.88 kg/dm <sup>3</sup>	with roller indication	NBK-01RP0C	
0.8 kg/dm <sup>3</sup>	0.78 - 0.88 kg/dm <sup>3</sup>	with transmitter	NBK-0100TC	
0.8 kg/dm <sup>3</sup>	0.78 - 0.88 kg/dm <sup>3</sup>	with roller indication and transmitter	NBK-01RPTC	-
		Standard limit contact	NBK-R	

\*Please replace the dots in the order number with the connection code (R15=R 1/2; R20=R 3/4; R25=R 1, R32=R 11/4; N15=1/2 NPT, N20=3/4 NPT, N25=1 NPT, N32=11/4 NPT). Please specify measuring length »L« in writing.