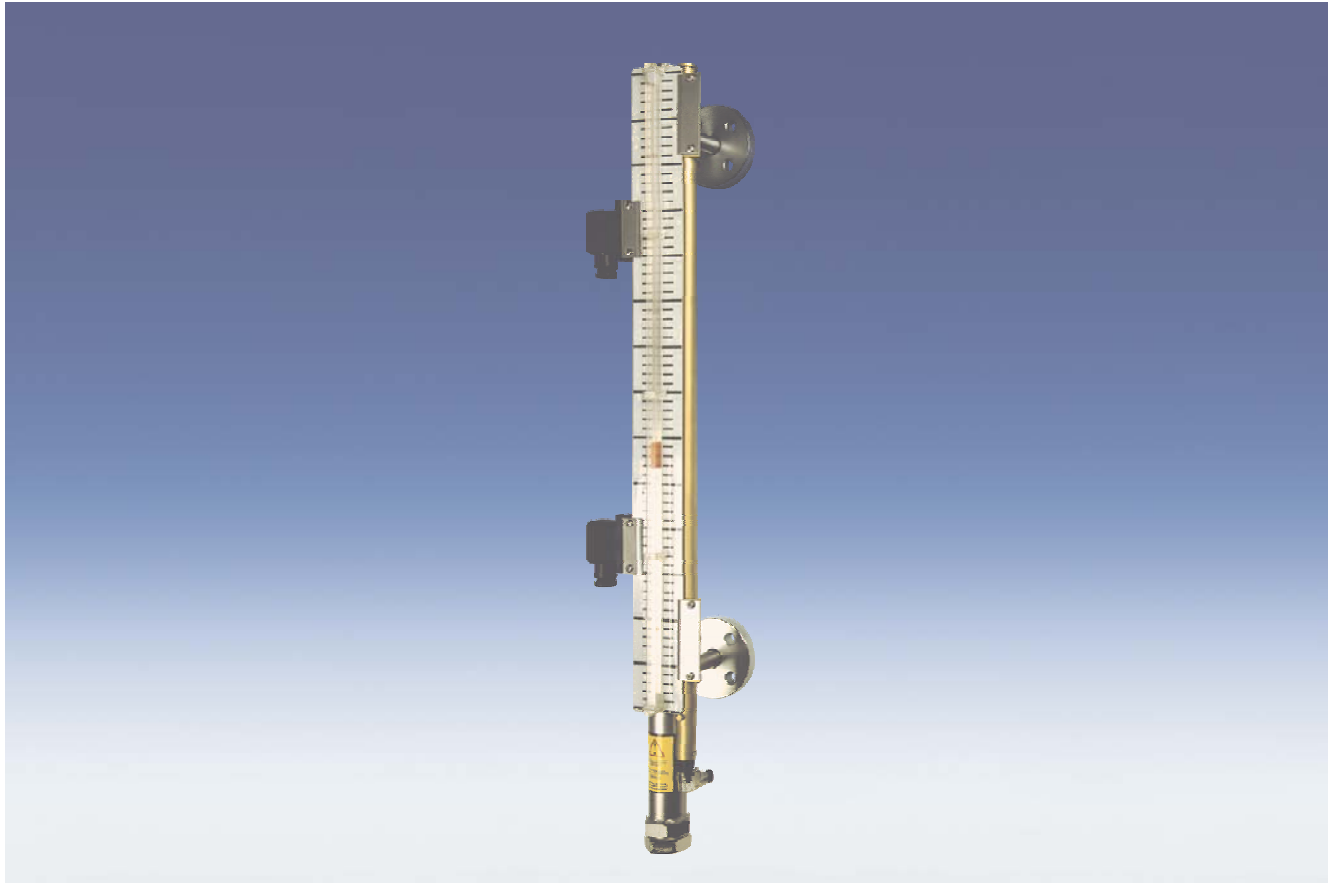


# Liquid-level control for external mounting NS 10/...-AM



The control of liquid level in reservoirs, gear boxes or other complex constructions often requires the use of controls than can be mounted externally with a visual indication of level.

The NS 10... range of level controls has been designed specifically for these applications. The visual level indicator is a standard item and has excellent visibility from any direction. The indicator itself is guided in a transparent tube and is moved by the magnetic field of the unsinkable float inside the stand pipe. The electrical contacts or a continuous level transmitter are mounted to the indicator scale. The contacts can be adjusted to any position.

The connection to the main structure can be by means of standard pipe fittings or flanges. Contact types MKS-1/W-L-24V are equipped with an LED.

- **compact dimensions**
- **sight glass does not contain fluid**
- **visual indicator**
- **unsinkable float**
- **infinitely variable adjustment**
- **rugged design**
- **optional continuous analogue signal 4-20 mA**

## technical data

### switch tube

max. operating pressure	10 bar
max. operating temperature	100 °C
lowest spec. gravity of fluid	0,75 kg/dm <sup>3</sup>

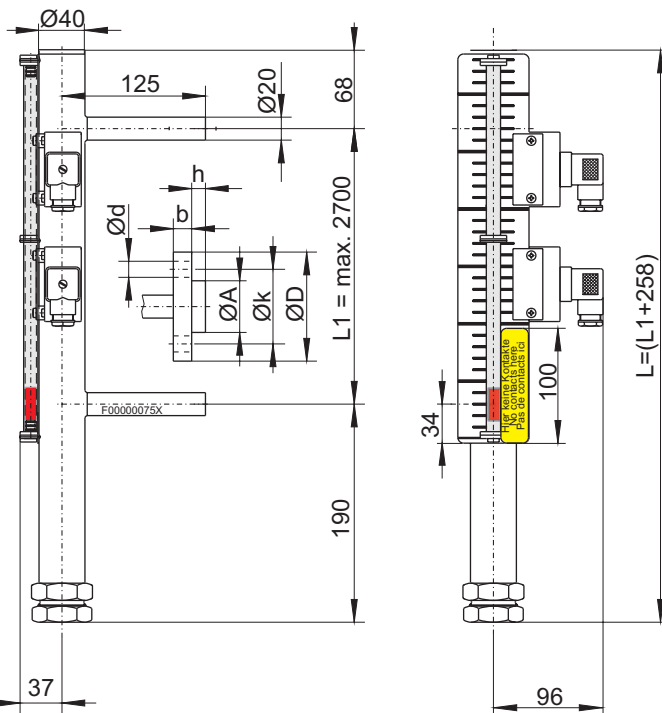
### material

float SK166	NBR
stand pipe	1.4571
flange	galv. steel
visual indicator tube	PC
cap	nickel plated brass

### dimensions (in mm)

flange	DN15/DIN 2656	DN25/DIN 2656
øD	95	115
øk	65	85
ød	14	14
b	16	18
øA	45	68
h	12	14

weight when L1=500mm approx 8 Kg (per 100mm approx 0,2 Kg)



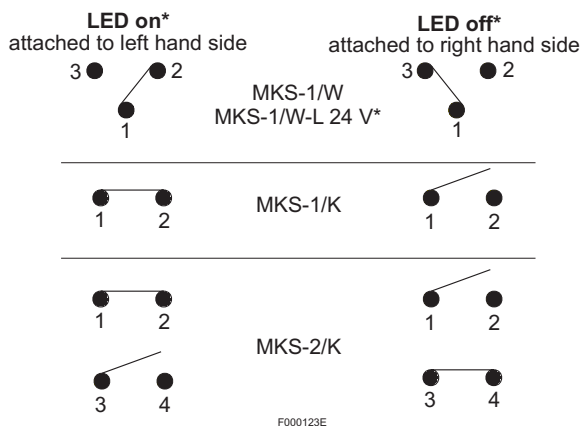
### contacts

type	MKS-1/K	MKS-2/K	MKS-1/W	MKS-1/W-L 24 V
function (bistable)	NC / NO*	NC / NO*	change over	change over
max. operating voltage	230 V AC/DC	230 V AC/DC	230 V AC/DC	24 V DC
max. contact load	50 VA	50 VA	50 VA	50 VA
max. current	1 A	1 A	1 A	1 A
connectors	3 pol. + PE DIN 43650 (M3)	6 pol. + PE DIN 43651 (S6)	3 pol. + PE DIN 43650 (M3)	6 pol. + PE DIN 43651 (S6)
protection class	IP 65	IP 65	IP 65	IP 65
part-no.	28 88 999	28 91 999	28 89 999	28 90 999

\*NC=normally closed, NO=normally open

Under rough working conditions with heavy vibrations we recommend MKS-1/K or MKS-2/K contacts

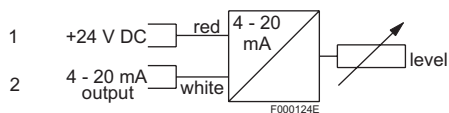
### circuit diagram of contacts (float in lowest position)



### level transmitter (-K)

analog output	4 - 20 mA
resolution	7,5 mm
max. load resistance	$R = (U_B - 7,5 V) / 0,02 A$
measuring resistor	reed contact
operating voltage (UB)	24 V DC ± 10%
ripple	< 1%

### wiring diagram for NS-.../AM-K with connector S3



### order information

please indicate with order:  
dimension L1, type and number of contacts

type	construction	part-no.
NS 10/0-AM	Stub pipe ø20	20 27 099
NS 10/0-AM-K	Stub pipe ø20	20 28 099
NS 10/15-AM	Flange DN15	20 27 999
NS 10/15-AM-K	Flange DN15	20 28 999
NS 10/25-AM	Flange DN25	20 27 199
NS 10/25-AM-K	Flange DN25	20 28 199

### accessories:

	part-no.
flange gasket 45/22x2mm (DN15)	22 51 000
flange gasket 68/27x2mm (DN25)	22 52 000
screws 4x) M12x65	22 71 999