

Nivotemp

63 K + KN, 63 K-VA + KN-VA



Modern production facilities employ more and more plant automation systems and computerized controls. These allow the monitoring and control of hydraulic and lubricating systems. Traditional level controls are focused on pump protection i. e. an typical system is equipped with a level switch with one or two contacts. These contacts protect the pump from running dry in the event of leakage..

Modern systems provide the opportunity for a pro-active leakage control by the use of continous signals. An analog output of 4-20 mA signals continously signals the fluid level. Deviations from the "normal" are detected instantly and can be transformed into many types of action. In case of a catastrophic failure such as a burst hose the pump could be shut down immidiately rather then let it run until the traditional switch turns it off after alarge volume of oil has split.

The Nivotemp 63 versions provide continous analog signals for liquid level only or for level and temperature combined. They are available in two standard length or in 150mm increments. The flange dimensions are the standard ones

used for filler/breathers (DIN 24557/2). In addition the units can be combined with our Fluidcontrolterminal which makes oil care even more technically advanced.

The 63..VA versions are suitable for use with high water based liquids (HFA).

- **easy, cost effective installation**
- **continous level / temperature control**
- **4-20 mA analogue outputs**
- **flange standard**
- **one cable for two functions**

technical data

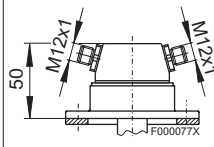
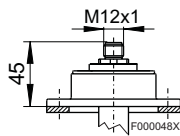
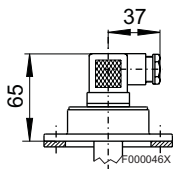
switch tube	63-K / KN	63-K/KN-VA
operating pressure	max. 1 bar	max. 1 bar
operating temperature	max. 80 °C	max. 80 °C
spec. gravity of float	min. 0,8 kg/dm ³	min. 0,8 kg/dm ³
float	SK 604 = PU	SK 221 = 1.4571
switch tube	brass	1.4571
flange	PA 6	PA6

level transmitter		
measuring resistor	reed contact	reed contact
resolution	4 mm	7,5 mm
voltage	10 - 30 V	10 - 30 V
ripple	1 %	1 %
output	4-20 mA	4-20 mA
load max.	= UB -7,5V / (0,02A)	= UB -7,5V / (0,02A)

temperature transmitter		
measuring resistor	Pt 100	Pt 100
tolerance	0,8 °C	0,8 °C
voltage (UB)	10 - 30 V	10 - 30 V
ripple	1 %	1 %
output	4-20 mA (0-100°C*)	4-20 mA(0-100°C*)
load max.	= UB -7,5V / (0,02A)	= UB -7,5V / (0,02A)

* other settings upon request

connectors	M3 3 pol. + PE DIN 43650	M12 4 pol.	2x M12 4 pol. / 4 pol.
protection class	IP 65	IP 67**	IP 67**
cable gland	PG 11	PG 7**	PG 7**
		** with plug fixed	** with plug fixed



other connectors upon request

order information

with level and temperature contacts

part-no	63-K-M3	63-K-M12	63-K-2xM12	63-K-VA-M3	63-K-VA-M12	63-K-VA-2xM12
L = 370 mm	1060999	1026399	1072199	1061199	1066399	1073199
L = 520 mm	1061799	1026599	1072399	1061999	1066599	1073399
L = variable*	1062799	1026199	1072599	1062999	1066099	1073599

level contacts only

part-no	63-KN-M3	63-KN-M12	63-KN-VA-M3	63-KN-VA-M12
L = 370 mm	1061099	1026499	1061299	1066499
L = 520 mm	1061899	1026699	1062099	1066699
L = variable*	1062899	1026299	1063099	1066799

*variable length by range steps 150 mm

63 K / KN L = min. 220 mm , max. 1420 mm

63 K / KN - VA L = min. 220 mm , max. 1120 mm

accessories

stilling tube made of:	brass	1.4571
L = till 520 mm	100701601	106000401
L = from 520 mm	100701602	106000402

order example:

you need: length 670 mm, with level and temperature 4mA = 640 mm , 20 mA = 25 mm

you order: part-no. 1062799 Nivotemp 63-K-M3-L= 670, L1=25; L2=635

