

# Nivotemp

## 61-2, 61-3, 62-2, 62-2 KT



Based on the results of extensive surveys and feedback from the fluid power industry we have created a number of level/temperature controls which reflect the needs of most applications.

All units have two adjustable level contacts with various temperature switches and controls.

The adjustable level contacts allow changes to the settings on site without the need to remove the unit from the system.

- **variety of practical configurations**
- **cost effective configurations standard or custom length**

### **Nivotemp Typ 61-2**

The unit has two bistable and adjustable level contacts and one temperature switch with optional settings.

### **Nivotemp Typ 61-3**

This unit has two level contacts combined with an electronic temperature with one alarm contact. The set point of the alarm and the hysteresis can be changed on site. This electronic switch is more accurate than one bi-metal contact. This is very important for applications that require settings close to ambient temperature.

### **Nivotemp 62-2**

Features two level contacts and an PT 100 RTD as temperature sensor. Signals can be combined with our Thermo-tronic temperature controllers or other PLC systems.

### **Nivotemp Typ 62-2 KT**

combines two level contacts with an analogue temperature signal. The output is 4-20 mA (equals 0 to 100 °C).

## technical data

operating pressure	max. 1 bar
operating temperature	max. 80 °C
spec. gravity of float	min. 0,8 kg/dm <sup>3</sup>

### material:

float SK 601	hard PU
switch tube	brass
flange	PA 6

### level contacts

K10 is the standard level contact employed in this series. Even where constructed for a specific application the contact position as well as the contact function can be altered on side. All indications are at **empty reservoir**.

### temperature contacts

Please check exactly the setting that is needed for the application. Nivotemp 61-2 must be returned to Bühler for setting changes .

### ordering information

For standard combinations: Just indicate the part no and the variables.

**Example:** Nivotemp 61-3, L=500, temp setting 65°C, hysteresis10K

#### Your order would read:

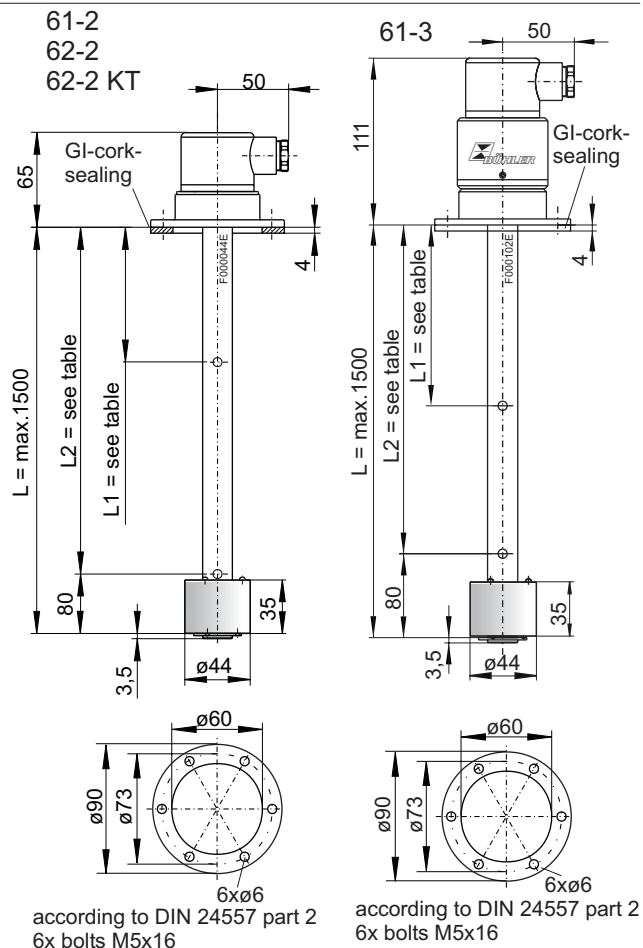
Part-no: 1085099 Nivotemp 61-3, L=370mm, L1=90mm NC, L2= 250 mm NO, T=65 °C / 10 K

### accessories

Stilling tube made of brass

L = till 520 mm part-no: 100701601

L = from 520 mm part-no: 100701602



### model / type

connector  
protection class  
cable gland

**61-2**  
S6 6-pol. + PE  
IP 65  
M20 x 1,5

**61-3**  
S6 6-pol. + PE  
IP 65  
M20 x 1,5

**62-2**  
S6 6-pol. + PE  
IP 65  
M20 x 1,5

**62-2 KT**  
S6 6-pol. + PE  
IP 65  
M20 x 1,5

### level contacts

L1 min. =  
L2 min. =  
function  
voltage  
max. current  
contact load

2 x K 10  
30 mm  
70 mm  
NC / NO  
230 V AC/DC  
0,5 A  
10 VA

2 x K 10  
30 mm  
70 mm  
NC / NO  
230 V AC/DC  
0,5 A  
10 VA

2 x K 10  
30 mm  
70 mm  
NC / NO  
230 V AC/DC  
0,5 A  
10 VA

2 x K 10  
50 mm  
90 mm  
NC / NO  
230V AC/DC  
0,5 A  
10 VA

### temperature contacts

function  
setting (fixed)  
voltage  
max. current  
contact load  
hysteresis

1 x TKÖ / TKS  
NC / NO  
50 - 80 °C  
230 V AC/DC  
2,5 A  
100 VA  
10 K ± 3 K

### electronic

#### temperature switch

voltage  
ripple  
setting (variable)

1 x Thermotronik LC1\*  
24 V DC ± 10 %  
< 1 %  
10-95 °C at 5 °K ranges  
adjustable  
5 or 10 °K adjustable  
max. 1 A of relay  
NC/NO adjustable

hysteresis  
out put

### continous

#### temperature control

tolerance  
voltage( UB)  
ripple  
out put  
load Ω max.

\* for more information  
about temperature settings  
look at data sheet  
Thermotronik LC1

1 x PT 100  
± 0,8 °C

1 x PT 100  
± 0,8 °C  
10- 30 DC  
< 1 %  
4 - 20 mA  
=UB - 7,5 V / ( 0,02A )

### part-no :

L = variable

1062399

1085099

1062599

1062699