

Nivotemp 61-0 HT



This version of the Nivotemp 6. Series has the same basic concept but can withstand higher operational temperatures due to the temperature resistant materials used.

The float is made from hollow stainless steel and responds equally well to high and lower temperatures,

In addition to the dimensional and material advantages this version offers features such as adjustable level contacts, a variety of electrical connectors and bistable level contacts with various contact functions.

If the tables overleaf do not cover your applications please contact us, we have a comprehensive library of solutions.

- **operating temperatures up to 105 °C (special model up to 150 °C)**
- **combined level and temperature control**
- **adjustable level contacts**
- **bistable level contacts = only one float**
- **international standard flange dimensions**
- **easy installation**
- **maintenance free**

technical data

switch tube

operating pressure	max. 1 bar
operating temperature	max. 105 °C (up to 150°C with models on request)
spec. gravity of float	min. 0,8 kg/dm ³
float SK 221	1.4571
switch tube	1.4571
flange	1.4571

level contacts	K10	W11
function	*NC / NO	change over
min. distance of contact	40 mm	40 mm
max. voltage	230 V	48 V
max. current	0,5 A	0,5 A
contact load	10 VA	20 VA
part-no	1889999	1890999

* NC = normally closed / NO = normally open, all figures at **empty reservoir**

temperature contacts

max. voltage	250V
Smax. current	2,5A
contact load	100 VA
hysteresis	10 K ± 3 K

switch point:	50°C	60°C	70°C	80°C	NC*	part-no	NO*	part-no
					TKÖ-50	1841899	TKS-50	1866999
					TKÖ-60	1841999	TKS-60	1842999
					TKÖ-70	1844999	TKS-70	1845999
					TKÖ-80	1852099	TKS-80	1867999

other settings upon request

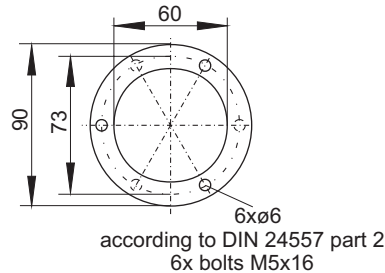
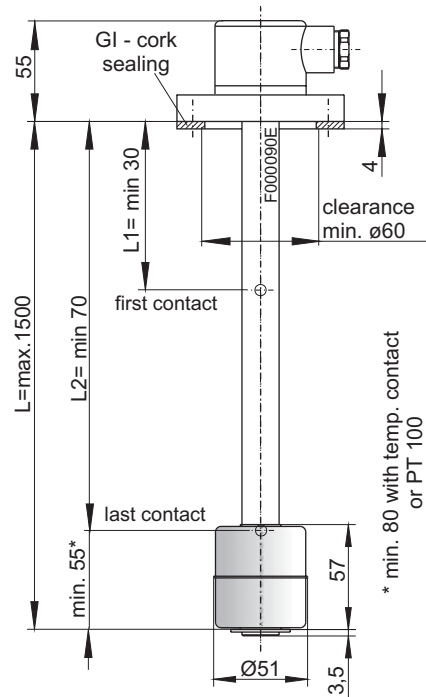
* NC = normally closed / NO = normally open, all figures at **rising temperature**

temperature sensor

PT 100	
tolerance	± 0,8° C
part-no	1120012

supplies

stirling tube made from	1.4571
L = up to 520 mm	part-no: 106000401
L = from 520 mm	part-no: 106000402



connectors

other connectors available upon request

protection class cable gland

max. no of contacts level-/ temp.-contact or

level contact only or

max. voltage

	M3	S6	M12	2x M12	C6F
other connectors available upon request	3 pol. + PE DIN 43650	6 pol. + PE DIN 43651	4 pol.	4 pol. / 4 pol.	6 pol. + PE DIN 46651
protection class cable gland	IP 65 PG 11	IP 65 M20 x 1,5	IP 67** PG 7** ** with plug fixed	IP 67** PG 7** ** with plug fixed	IP 65 PG 11
max. no of contacts level-/ temp.-contact or	1 x K10 / 1 x TK - / -	3 x K10 / 1 x TK 1 x W11 / 1 x TK	1 x K10 / 1 x TK - / -	3 x K 10 / 1 x TK 1 x W11 / 1 x TK	3 x K10 / 1 x TK 1 x W11 / 1 x TK
level contact only or	2 x K10 1 x W11	4 x K10 2 x W11	2 x K10 1 x W11	4 x K10 2 x W11	4 x K10 2 x W11
max. voltage	230 V AC/DC 48 V with change over contact	230 V AC/DC 48 V with change over contact	24 V DC	24 V DC	230 V AC/DC 48 V with change over contact

ordering information

part-no of basic version , without contacts

with connector	M3	S6	M12	2x M12	C6F
L=variable Nivotemp 61-0-HT	10117499	10107199	10125899	1071699	10130599

order example:

you need: length level contact L = 580 mm, 2 level contacts , first contact at NC with L1=100 mm , second contact at NO with L2=500 mm

you order:10117499 Nivotemp 61-0-HT-M3-L= 580 , 2 x contact K10 (1889999) L1=100 NC , L2 = 500 NO