

Nivotemp M-1



The Nivotemp M-1 series comprises a group of controllers for the control of both liquid level and temperature in fluid power packs or lubrication systems.

The installation via a central thread is cost effective and allows the use of a small float with good buoyancy. Despite small physical dimensions the Nivotemp M-1 has an adjustable bistable contact.

The attached temperature contact is available in five different switch points with function normally closed (NC) or normally open (NO).

- **1x liquid level- and 1x temperature contact in one unit**
- **adjustable contact**
- **bistable = just one float**
- **float with good buoyancy**
- **electrical connector included**
- **variable and fixed length (250, 370 and 520mm)**
- **easy installation**
- **maintenance free**

technical data

operating pressure max. 1 bar
 operating temperature max. 80 °C
 spec. gravity of fluid min. 0,8 kg/dm³

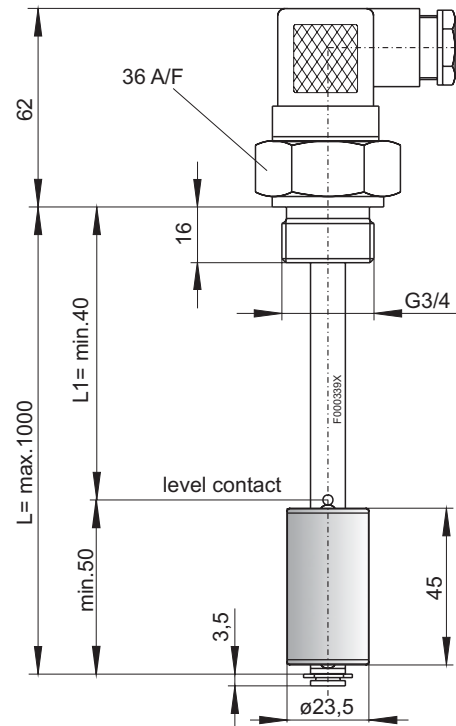
material:
 switch tube MS
 flange MS
 float SK 161 NBR

level contact 1x K8
 function *NC / NO
 max. voltage 230 V
 max. current 0,5 A
 contact load 10 VA

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

temperature contacts		switch points	
		NC*	NO*
max. voltage	250 V	50°C	TMÖ-50
max. current	2 A	55°C	-
contact load	100 VA	60°C	TMS-55
hysteresis	15 K ± 5 K	70°C	TMS-60
		80°C	TMS-70
			TMS-80

*NC = normally closed / NO = normally open all indications are at **raising**



connectors	M3	M12 (socket)
protection class	3 pol. + PE DIN 43650	4 pol.
cable gland	IP 65 PG 11	IP 67** PG 7**
max. voltage	230 V AC/DC	24 V DC

order information (all switches include one level contact)

- with temperature contact normally closed (NC) and connector M3

Nivotemp M-1-MS-M3-	TMÖ-50°C	TMÖ-60°C	TMÖ-70°C	TMÖ-80°C
L=250	10116699250	1006599250	1009299250	1007299250
L=370	10116699370	1006599370	1009299370	1007299370
L=520	10116699520	1006599520	1009299520	1007299520
L=variable	10116699	1006599	1009299	1007299

- with temperature contact normally closed (NC) and connector M12

Nivotemp M-1-MS-M12-	TMÖ-50°C	TMÖ-60°C	TMÖ-70°C	TMÖ-80°C
L=250	1007599250	1007699250	1007799250	1007899250
L=370	1007599370	1007699370	1007799370	1007899370
L=520	1007599520	1007699520	1007799520	1007899520
L=variable	1007599	1007699	1007799	1007899

- with temperature contact normally open (NO) and connector M3

Nivotemp M-1-MS-M3-	TMS-55°C	TMS-60°C	TMS-70°C	TMS-80°C
L=250	1008199250	1006699250	1009399250	10121499250
L=370	1008199370	1006699370	1009399370	10121499370
L=520	1008199520	1006699520	1009399520	10121499520
L=variable	1008199	1006699	1009399	10121499

- with temperature contact normally open (NO) and connector M12

Nivotemp M-1-MS-M12-	TMS-55°C	TMS-60°C	TMS-70°C	TMS-80°C
L=250	1008399250	1008499250	1008899250	1000999250
L=370	1008399370	1008499370	1008899370	1000999370
L=520	1008399520	1008499520	1008899520	1000999520
L=variable	1008399	1008499	1008899	1000999

order example:

you need: length level contact L=600mm, connector M3, level contact at L1=450 with function normally closed (NC)

temperature contact with function normally open (NO) at 70°C

you order: part-no 1009399, Nivotemp M-1-MS-M3-TMS-70°C, L=600mm, L1=450mm NC

supplies: adapter G3/4 - G1 part-no : 1011000
 adapter G3/4 - oval flange part-no : 1012000