

Nivotemp 62-3 with Thermotronic 61



The Nivotemp 62-3 with attached Thermotronic 61 is a compact economic combination for monitoring the liquid level (max. / min.) and the precise measurement and indication of temperature with up to 6 adjustable alarm outputs.

The DIN 24557 flange enables easy installation and allows the usage of a small float with good buoyancy.

The temperature display rotates to obtain optimum visibility.

A choice of up to 6 temperature and 3 level contacts are available.

- **level- and temperature control**
- **adjustable alarm outputs for temperature**
- **visual display can be rotated**
- **float with excellent buoyancy**
- **standard connectors**
- **easy installation**
- **maintenance free**

technical data

range of temperature display : from -20 to +120 °C / 4° to 248 °F
 range of alarm indication : 0 to +99 °C or 32° to 178 °F
 programmable set points : 2, 4 or 6 relay outputs

housing : ABS-plastic
 depth of housing : 55 mm
 protection class : depending on model, min. IP65
 display : three digit seven segment-
 LED-display
 light emitting diodes for status
 display

current consumption at power up : about 140 mA for 100 ms
 operating current consumption : about 30 -70 mA
 supply voltage : 24 VDC ±10 %
 output switches : relays with max. 24V / 1A
 ambient temperature : 0 - 70 °C
 accuracy : 1 % of end indication value
 resolution : 1 °C / 2 °F
 programming : via three touch keys
 temperature sensor : Pt 100

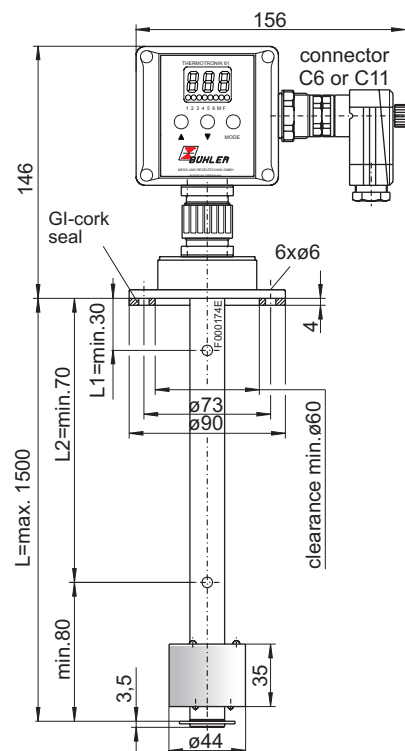
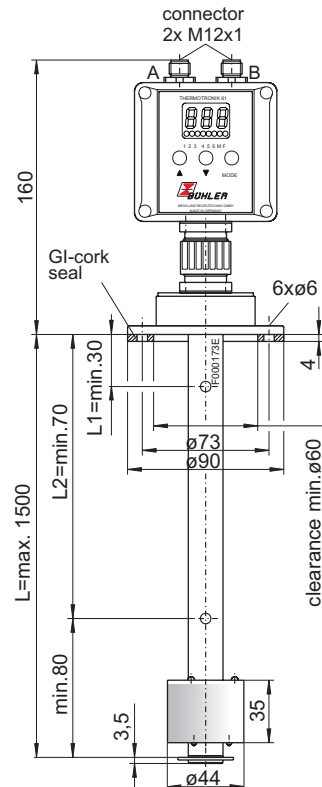
level contact : **2x K10**
 function : *NC / NO
 min. distance between contact : 40 mm
 max. voltage : 230 V
 max. current : 0,5 A
 contact load : 10 VA

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

General description of Thermotronic 61

The Thermotronic 61 is a combined microprocessor controlled display and control unit for monitoring and stabilizing the operating temperature in hydraulic systems with an input for a Pt100 temperature sensor. The temperature display is a three digit LED-display. Furthermore the Thermotronic 61 may have up to 6 switched outputs with relays. The outputs can be set to different programmable temperatures.

The actual status of the switched outputs is shown by LEDs on the front panel. Furthermore the temperature can be displayed either in degrees Celsius or Fahrenheit. Monitoring of the maximum and minimum recorded values of the sensor is also possible. The device also indicates a sensor failure or a broken wire on it's display. Setting the Thermotronic 61 is done by using the three touch keys on the front panel together with the values shown on the display. The settings are protected against unauthorized use by a key lock. The operating software of the Thermotronic 61 could be easily replaced by more advanced or customer related software.



order information

part-no.	type	connector	length L	description
10413199	Nivotemp 62-3 with Thermotronic 61	2x M12	- L=...mm	indicator and automatic controller with temperature sensor with two switch outputs for temperature and two level contacts
10413299	Nivotemp 62-3 with Thermotronic 61	C6	- L=...mm	indicator and automatic controller with temperature sensor with two switch outputs for temperature and two level contacts
10413799	Nivotemp 62-3 with Thermotronic 61	C11	- L=...mm	indicator and automatic controller with temperature sensor with four switch outputs for temperature and two level contacts
10413899	Nivotemp 62-3 with Thermotronic 61	C11	- L=...mm	indicator and automatic controller with temperature sensor with six switch outputs for temperature and two level contacts

order example

you need: length level contact L=520, first contact at NC with L1=100, second contact at NO with L2=450, connector 2x M12
 you order: Nivotemp 62-3 with Thermotronic 61, part-no. 1413199, L=520, 2x contacts K10 L1=100 NC, L2=450 NO