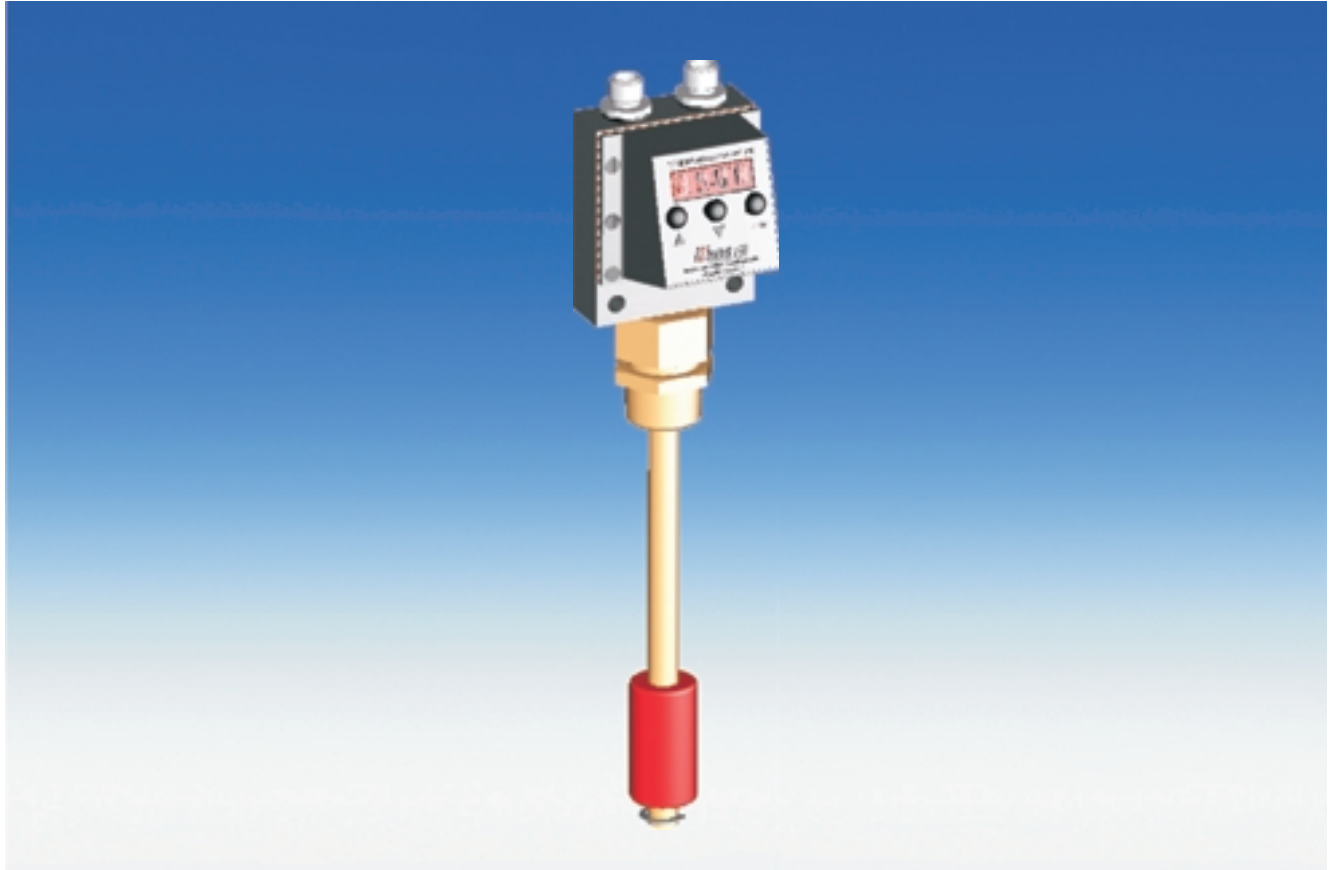


Nivotemp M with Thermotronic 71



Modern plant automation systems require compatible and cost effective control units.

Fluid power and lubrication systems in this field of applications need the surveillance of the liquid level and the operating temperature.

The new Nivotemp M version with integrated Thermotronic 71 is a compact economic combination for monitoring the liquid level (max. / min.) and the precise measurement and indication of temperature with two adjustable alarm outputs.

The G3/4 male thread provides easy installation and allows to turn the display for best visibility. The level control is provided by two bistable reed contacts. The Thermotronic is microprocessor controlled and has two programmable alarm outputs.

- **level- and temperature control**
- **adjustable alarm outputs for temperature**
- **display with good visibility, adjustable in direction**
- **variable level contacts**
- **standard connectors**
- **easy installation**
- **maintenance free**

technical data

operating pressure : max. 1 bar
operating temperature : - 40 °C to + 100 °C

material:

front cover : ABS
housing : aluminium anodized
fitting (connector male) : steel galvanized
probe : brass
float : NBR

Thermotronic 71

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
protection class : IP65
display : four 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 : approx 30 - 50 mA
supply voltage : 24 VDC ± 10 %
ambient temperature : 0 - 70 °C
accuracy : 1 % of full range
resolution : 1 °C / 2 °F
programming : via three touch keys
temperature sensor : Pt 100 class B DIN / IEC 751
programmable set points : max. 2
output : PNP

level contact : **2x K8**
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

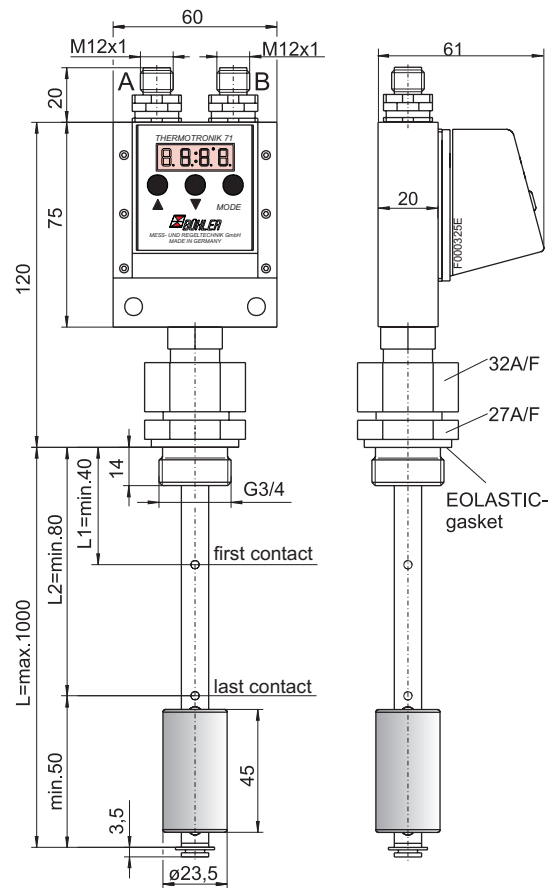
General description of Thermotronic 71

The Thermotronic 71 is a combined microprocessor controlled digital display and control unit for monitoring and stabilising the operating temperature in fluid power systems.

The actual temperature is displayed on a high visibility LED display. The status of the entire unit (output, sensor, broken wire) is indicated by separate LED's. The value can be set to Celsius or Fahrenheit. Programming is by touch keys. The settings are protected against unauthorized operation by key lock.

accessories

5 pol. connection plug 3,0 m
part-no: 9144050018



Order information

part-no*	type	L=	temperature output
1475299	Nivotemp M with Thermotronic 71-N-2S	variable**	2x PNP (free programmable)
1475299250	Nivotemp M with Thermotronic 71-N-2S	250	2x PNP (free programmable)
1475299370	Nivotemp M with Thermotronic 71-N-2S	370	2x PNP (free programmable)
1475299520	Nivotemp M with Thermotronic 71-N-2S	520	2x PNP (free programmable)

*indicate switch point L1 and L2 for level additional to the part-no.

**indicate length L additional to the part-no.