

STN-94

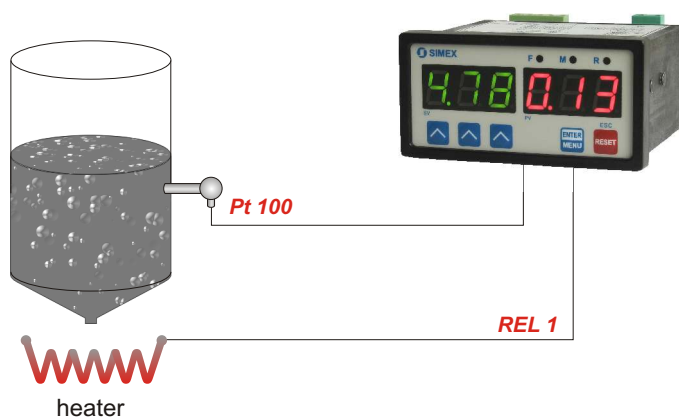
- ▣ temperature meter with double display
- ▣ input: Pt100, Pt500, Pt1000
- ▣ threshold value setting
- ▣ 1 relay output



The **STN-94** temperature meters is particularly suitable in applications which require quick access to the threshold value with a possibility of its instant modification during measurements. 3 [^] keys enable quick changing of any set value digit, which significantly reduces the time necessary to input a new parameter value. The relay output can be used to heating/cooling type control.

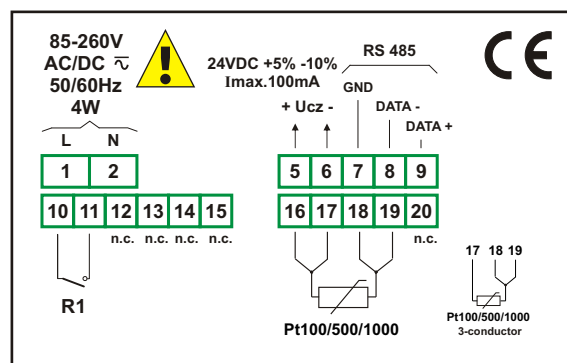
Typical applications

1. Batching a medium to the tank with continuous level measurement in any unit.



- double display,
- programmable measuring range,
- programmable relay hysteresis,
- programmable relay delay,
- password protected,
- programmable indication filtration,
- alarm diode informing when the measuring range is exceeded,
- available with AC and DC power supply versions.

Exemplary pin assignment



Technical data

Power supply: 19V + 50V DC; 16V + 35V AC or 85 + 260V AC/DC, all separated
Power consumption: for 85 + 260V AC/DC and 16V + 35V AC power supply: max. 4,5 VA; 19V + 50V DC power supply: max. 4,5 W
Display: real values - LED, red, 3 digits, 13 mm high; set values - LED, green, 3 digits, 13 mm high
Input: temperature Pt100, Pt500, Pt1000
Measuring range: -99°C + 600°C
Measuring range of set values display: -99 + 999 (-9,9 + 99,9)
Accuracy: 0.1% @25°C
Stability: 50 ppm/°C
Resolution: 0,1°C
Resistance compensation of connecting conductors: 0 + 20 Ω at any conductor
Output: 1 relay 1A/250V AC (cosφ=1)
Transducer power supply output: 24V DC +5%, -10% / max. 100 mA, stabilized, not insulated from measuring inputs
Communication interface: RS 485, 8N1 and 8N2, 1200 bit/s + 115200 bit/s, Modbus RTU (not galvanically insulated)
Operating temperature: 0°C + +50°C
Storage temperature: -10°C + +70°C
Protection class: IP 65 (front), available additional frame IP 65 for panel cut-out sealing; IP 20 (case and connection clips)
Case: board
Case material: NORYL - GFN2S E1
Case dimensions: 96 x 48 x 100 mm
Panel cut-out dimensions: 90,5 x 43 mm
Installation depth: min. 102 mm
Board thickness: max. 5 mm

Ordering

STN-94-1311-1-X-XX1

options:
 00 : no options
 01 : IP 65 frame

power supply:
 3 : 24V AC/DC
 4 : 85V - 260V AC/DC