

**Multichannel measuring interface
AL154S5TC16**

AL154S5TC16

General informations:

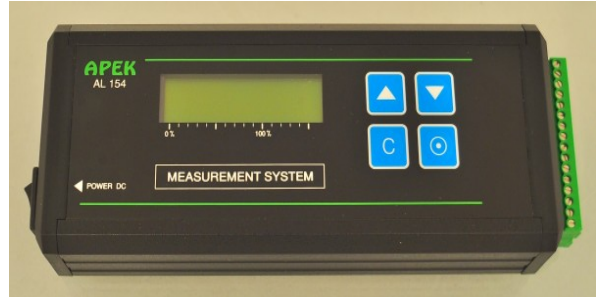
Precise system measuring temperature using resistive temperature detectors. System has several kind of power supply, own display and internal memory. This instrument we can use like portable measuring system and also to build some large test set.

Application:

AL154S5TC16 has application in measurements: technical parameters of building materials, parameters of ventilators, air conditioning systems, heating flows, gas and liquid flows.

Casing:

- Display LCD 4x20marks with LED backlit.
- Membrane keyboard.



Aluminum body, with sides made from ABS, high quality membrane keyboard and window on backlit display.

Two types of communication inputs:

- Supply input: 6-12V slot 5.5/2.1
- Supply on-switch.



RS232 or RS422 port.



USB port.

- | | |
|---------------|-----------------|
| 1 – T9 input | 17- T1/U1 input |
| 2 – T10 input | 18- input GND |
| 3 – T11 input | 19- T2/U2 input |
| 4 – T12 input | 20- input GND |
| 5 – T13 input | 21- T3/U3 input |
| 6 – T14 input | 22- input GND |
| 7 – T15 input | 23- T4/U4 input |
| 8 – T16 input | 24- input GND |
| 9 – T17 input | 25- T5/U5 input |
| 10- T18 input | 26- input GND |
| 11- T19 input | 27- T6/U6 input |
| 12- T20 input | 28- input GND |
| 13- input GND | 29- T7/U7 input |
| 14- input GND | 30- input GND |
| 15- input GND | 31- T8/U8 input |
| 16- input GND | 32- input GND |



Dissociable screw fastening
HARTMAN 2x 16PIN

Technical parameters:

- 20 temperature inputs:
 - from -40°C to 120°C/ from -40°C to 600°C
 - Two-wire PT100 / **PT500** / PT1000
- Sensors supply current : 3mA/0.6mA/0.3mA
- Instantaneous power of sensors.
- Memory of measurement: **0.5MB** /1.5MB / 3MB.
- Power supply 6-12V/300mA or USB port.
- Supply current 50mA.
- Display LCD 4x20 marks.
- Accumulator 3.6V 1800mAh, optionally.
- Version with accumulator 30h.
- Communication: USB / RS232 / RS422.
- Sample rate: from 1sec to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG 200x80x40.

Method of sign and reserve:

AL154S5.T20.X.A.Y.XY.Z

X- communication: 1- for USB,
2- for RS232, 4- for RS422.

A- range of measurement L: from -40 to 120°C, H:
from -40 to 600°C

Y- supply: A- built-in accumulator,

B- power supply with USB port and with
accumulator, M- without accumulator, S- without
accumulator, only with USB port.

XY- memory of measurement: NM – without
memory,

M0- 0.5MB, M1- 1MB, M2- 1.5MB, M3- 3MB.

Z- kind of temperature sensor: PT100, PT500,
PT1000

Example:

AL154S5.T20.1.L.B.M0.PT500

Producer stipulate possibilities to make change, which cannot be included in this document.