

## Multichannel measuring interface AL154S5UT8

AL154S5UT8

### General informations:

Precise general purpose measuring instrument. System has several kind of power supply, own display and internal memory. This instrument we can use like portable measuring system and also like stationary system.

### Application:

AL154S5UT8 has application to supervise: thermal centers, geothermal and solar heating, temperature and flow measuring and also in scientific research. System has 8 universal inputs to temperature measure using resistive temperature detectors, voltage 0-0.5V, current 4-20mA (it required parallel connection with resistor  $R=25\Omega$ ).

### 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



Inputs:

- 1- T2/U2 input
- 2- input GND
- 3- T3/U3 input
- 4- input GND
- 5- T4/U4 input
- 6- input GND
- 7- T5/U5 input
- 8- input GND

Inputs:

- 9- T6/U6 input
- 10- input GND
- 11- T7/U7 input
- 12- input GND
- 13- T8/U8 input
- 14- input GND
- 15- T1/U1 input
- 16- input GND

Dissociable screw fastening HARTMAN 16PIN

### Technical parameters:

- 7 temperature/voltage inputs: voltage 0-500mV.  
Temp. 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 with USB port.
- Supply current 50mA.
- Display LCD 4x20 marks.
- Accumulator 3.6V 1800mAh.
- Version with accumulator 30h.
- Communication: **USB** / RS232 / RS422.
- Sample rate: from 0.5sec to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG 196x80x40.

### Method of sign and reserve::

**AL154S5UT8.X.A.Y.XY.Z**

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

A- range of measurements: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 mem.,  
M0- 0.5MB, M1- 1MB, M2- 1.5MB, M3- 3MB.

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

Example:

AL154S5UT8.1.L.B.M0.PT500

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