

Multichannel measuring interface AL154S5.6TUL

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General informations:

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

Application:

AL154S5.6TUL has application to supervise: thermal centers, geothermal and solar heating, temperature and flow measuring and also in scientific research. System has 6 universal inputs to temperature measure using resistive temperature detectors. Voltage 0-0.5V, current 4-20mA (it required to connect with resistor $R=25\Omega$).

Two types of communication inputs:

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



RS232 or RS422 port.



USB port

Technical parameters:

- 6 temperature /voltage input: 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.
- 1 counter input <15KHZ, 0-3V do 0-10V, short circuit- gape.
- 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 0.5sec to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG 196x80x40.

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.



Digital ports:
1 counter input
2- input GND
3- power GND
4- +supply

Analog ports:
1- T1/U1 input
2- input GND
3- T2/U2 input
4- input GND
5- T3/U3 input
6- input GND
7- T4/U4 input
8- input GND
9- T5/U5 input
10-input GND
11-T6/U6 input
12-input GND

Dissociable screw fastening HARTMAN 12PIN i 4PIN

Method of sign and reserve:

AL154S5.6TUL.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 mem.,
M0- 0.5MB, M1- 1MB, M2- 1.5MB, M3- 3MB.

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

Example:

AL154S5.6TUL.1.B.M0.PT500

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