

**Multichannel measuring interface
AL154M1S5C16TH8****AL154M1S5C16HT8****General informations:**

Multichannel measuring system. The instrument is enable to do 16 thermocouple measurements with cold-junction compensation and also 8 measurements humidity/temperature/pressure using digital sensors. System has several kind of power supply, own display and internal memory. This system we can use like portable measuring system or to build some large test set. Programming possibility to change configuration: on and off channels, measurement frequency, number of decimal places, measurement averaging.

Application: AL154M1S5C16TH8 has application in measurements: in heat engineering, building, investigational laboratory, metallurgy, industry etc.



- Accessible kind of communication: USB, RS232, RS422, LAN.
- Supply input: 6-12V, slot 5.5/2.1
- Supply on-switch.
- Optionally: memory card SD slot

Technical parameters:

- 16 thermocouple inputs: K, J,¹⁾
- Range of measurements: A from -60°C to 1150°C
B from 20°C to 1150°C
- Precision of measurement:
 - <0.4°C in range of -40°C to 400°C
 - <1°C for temperature >400°C and <-40°C
- Resolution 0.1°C or 1°C, programming.
- 1 digital input to connect 8 digital sensors: humidity/temperature/pressure.

Parameters according with parameters of sensors.

- Memory of measurement: 0.5MB /1MB /1.5MB / 3MB.
- Power supply 12-24V/300mA or with 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 300x80x40. 12 channels
LxSxG 250x80x40. 8 channels

1) for individual order accessible another kind of thermocouple.

Casing:

Aluminum body, high quality membrane keyboard and window on backlit display.

Front panel:

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



Back side:

- 16 thermocouple slot, kind MPJ.
- 1 digital input: slot M8.

**Method of sign and reserve::****AL154M1S5C16TH8.X.Y.XY.Z.SD**

SY-kind of thermocouple and number of inputs, K,J.
ex. ..K16.. – 16 inputs, kind K.

Q- range of measurement: A from -60°C to 1150°C,
B from 20°C to 1150°C.

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

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.

Example:

AL154M1S5C16TH8.1.B.M1.K

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