

Multichannel temperature measuring system AL154S5C12

AL154S5C12

General informations:

Multichannel measuring system. The instrument is enable to do max 12 thermocouple measurements with cold-junction compensation. 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:

AL154S5C12 has application in measurements: in heat engineering, building, investigational laboratory, metallurgy, industry etc.

Two types of communications input:

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



RS232 or RS422 port.



USB port.

Technical parameters:

- To 2,4,6,12 thermocouple inputs: K, J,¹⁾
 - Range of measurements : A from -60°C to 1150°C
B from -40°C to 400°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.
 - Memory of measurement: **0.5MB** / 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 0.5sec to 8h.
 - Galvanic isolation of communication circuit.
 - Dimension: LxSxG 300x80x40. 12 channels, for 6 inputs L=230 for 4 L=210 for 2 L=186mm.
- 1)for individual order accessible another kind of thermocouple

Casing:

- Display LCD 4x20marks with LED backlit.
- Aluminum body, with sides made from ABS,
- High quality membrane keyboard and window on backlit display.

There are 4 types of casing depended on number of inputs.

Version: AL154S5C12

- 12 mini thermocouple inputs.



Two-inputs version of system, type: **AL154S5.C12**

- 2 mini thermocouple inputs with blanket type thermocouple.
- Caution! Sensors you have to order separately.



Method of sign and reserve:

AL154S5C12.SY.Q.X.Y.XY.Z

SY-kind of thermocouple and number of inputs: K,J.
ex. ...K8.. – 8 inputs, type K.

Q- range of measurements: A full ex. from -60°C to 1150°C,
B limited from -40°C to 400°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:

AL154S5C12.K2.B.1.B.M1

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