

**Multichannel measuring interface
AL154M1S5TC16-32**

AL154M1S5TC32

General informations:

Economical interface temperature measuring with thermocouple sensors. The instrument is enable to do 32 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:

AL154M1S5TC32 has application to temperature measure and multichannel measure. Industry, heat engineering, building, investigational laboratory 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:

- From 16 to 32 thermocouple input: K, J,¹⁾
- Range of measurement: A from -60°C to 1150°C
B from 20°C to 1150°C
- Precision of measurement: ¹⁾
<1°C in range of -40°C to 400°C
<3°C for temperature >400°C and <-40°C
- Resolution 0.1°C or 1°C, programming.
- Memory of measurement: **0.5MB/1MB/1.5MB/3MB.**
- Power supply 12-24V/300mA or USB port.
- Supply current 60mA.
- Display LCD 4x20 marks.
- Accumulator 3.6V 1800mAh, **optionally.**
- Version with accumulator 30h.
- Communication: USB / RS232 / RS422.
- Sample rate: from 2sec. to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG 190x91x126. [mm]
- Weight: ca. 0.8kg

¹⁾ for individual order accessible another kind of thermocouple, range and precision of measurements.

Casing:

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

Front panel:

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



Back side:

- Dissociable screw fastening HARTMAN 4x16PIN



Method of sign and reserve:

AL154M1S5TC32.SY.Q.X.Y.XY.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: 0- for LAN TCP/IP, 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.

SD- memory card SD slot or without slot.

Example:

AL154M1S5TC32.K32.A.1.S.M0

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