APEK

Multichannel measuring interface AL154M1S5C16

AL154M1S5C16

General informations:

Multichannel measuring system. The instrument is enable to do 16 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:

AL154M1S5C16 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.
- Memory of measurement: 0.5MB /**1MB** /1.5MB / 3MB.
- Power supply 12-24V/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 1sec to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG 190x91x126. < 20 channels
  [mm]   LxSxG 280x80x40.   >20 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.

Method of sign and reserve:

AL154M1S5C16.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:
AL154M1S5C16.1.B.M1.K

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