APEK

Multichannel measuring interface AL154M1S5T24V8

AL154M1S5T24V8

General informations:

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

System has 24 universal inputs to temperature measure using resistive temperature detectors, type PT and also 8 inputs to density thermal flux sensors.

Programming possibility to change configuration: constant of calibration, resolution i measurement averaging.

Application:

AL154M1S5T24V8 has application in measurement: temperature profile and parameters of heat transmission etc. and also in measurement: 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

Casing:

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

Front panel:
- Display LCD 4x20marks with LED backlit.
- Membrane keyboard.
- Dissociable screw fastening HARTMAN 3x16PIN

Back side:
- Dissociable screw fastening HARTMAN 6x16PIN

Technical parameters:

- 24 inputs:
  - resistive PT100/**PT500**/PT1000 three-wire.
- 24 current output, power supply of resistive sensors.
- 8 inputs of heat sensors.
- Memory of measurement: **0.5MB** /1.5MB / 3MB.
- Power supply 6-12V/300mA or with USB port.
- Supply current 150mA.
- Display LCD 4x20 marks.
- Accumulator 3.6V 1800mAh, optionally.
- Version with accumulator 8h.
- Communication: USB/RS232/RS422/LAN.
- Sample rate: from 4sec to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG 186x91x123.

[1]) for individual order accessible another kind of sensors.

Method of sign and reserve:

AL154M1S5T24V8.X.Y.XY.Z.SD

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.

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

SD-memory card SD slot or without slot.

Example:
AL154M1S5T24V8.1.A.M1.PT500

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