Multichannel measuring interface AL154S5TU8L4

AL154S5TU8L4

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 to build some large test set.
System has 8 universal inputs to temperature measure using resistive temperature detectors. Voltage 0-0.5V, current 4-20mA (it required to connect with resistor R=25Ω).
System has also 4 counter inputs to measure: flow, frequency etc.

Application:

AL154S5TU8L4 has application in measurement: to control ventilators, hydraulic driveline, thermal centers, sustainable energy.

Two types of communication inputs:
- Supply input: 6-12V slot 5.5/2.1.
- Supply on-switch.

RS232 or RS422 port.   USB port.

Technical parameters:
- 8 temperature/voltage inputs: voltage 0-500mV.
  Temp. from -40°C to 120°C/ from -40°C to 600°C.
  Two-wire PT100 / **PT500** / PT1000,
- 4 programming counter inputs.
  Max frequency <400Hz.
  Input 0-5V or short circuit- gape.
- Sensors supply current: 3mA/0.6mA/0.3mA
- Instantaneous power of sensors.
- Memory of measurement: **0.5MB** /1.5MB / 3MB.
- Power supply 6-12V/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 200x80x40.

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

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

Aluminum body, with sides made from ABS, high quality membrane keyboard and window on backlit display.

1 – -U9 input	17- T1/U1 input
2 – +U9 input	18- input GND
3 – -U10 input	19- T2/U2 input
4 – +U10 input	20- input GND
5 – -U11 input	21- T3/U3 input
6 – +U11 input	22- input GND
7 – -U12 input	23- T4/U4 input
8 – +U12 input	24- input GND
9 – -U13 input	25- T5/U5 input
10- +U13 input	26- input GND
11- -U14 input	27- T6/U6 input
12- +U14 input	28- input GND
13- -U15 input	29- T7/U7 input
14- +U15 input	30- input GND
15- -U16 input	31- T8/U8 input
16- +U16 input	32- input GND

Dissociable screw fastening HARTMAN 2x 16PIN

Method of sign and reserve:
AL154STU8L4.X.A.Y.XY.Z

X- communication: 1- for USB,
   2- for RS232, 4- for RS422.
A- range of measurement: L from -40 to 120°C, H from -40 to 600°C
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

Example:
AL154STU8L4.1.H.B.M0.PT500