APEK

Multichannel temperature and humidity measuring system AL154M1S5HT10.

AL154M1S5C16HT10

General information:
Multichannel measuring system. The instrument is enable to do 10 precision humidity-temperature measurements. 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. To facilitate the exact verification of parameters the simple calibration and relative measurement may be used.

Application: AL154M1S5C16TH10 has application in control climatic chamber.

- 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.

Technical parameters:
- 10 measurement inputs: humidity-temperature.
- Range of temperature measurements:
    Using sensor FP22HT: from -40°C to 80°C
    system's: from -40°C to 120°C
- Precision of measurement: 0.1°C
- Resolution 0.1°C or 0.01°C, programming.
- Range of humidity measurement:
    Using sensor FP22HT: from 0% to 100%
- Precision of measurement: 1.5%
- Resolution 1% or 0.1%, programming.
- Memory of measurement: 0.5MB /**1MB** /1.5MB / 3MB.
- Power supply 12-24V/300mA or with USB port.
- Supply current 80mA.
- Display LCD 4x20 marks.
- Accumulator 3.6V 1800mAh, optionally.
- Version with accumulator 30h.
- Communication: USB / RS232 / RS422.
- Output connector: DIN41-524
- Sample rate: from 1sec to 8h.
- Galvanic isolation of communication circuit.
- Dimension: LxSxG. 184x127x95.
For individual order accessible another kind of sensors.

Measuring sensor: FP22HT

 Humidity:
Range: 0-100%
Precision: 1.5%
 Temperature:
Range: -40 +80°C
Precision: 0.1°C
Stuff: Polyurethane
Slot: M12 4PIN
Dimension: 16x67mm
with slot 98mm.

Back side:
10 slots DIN41-524 to temperature-humidity measuring sensors.

Method of sign and reserve:

AL154M1S5HT10.X.Y.XY
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:
AL154M1S5HT10.1.B.M1

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