

TTU2817L HUMIDITY/TEMPERATURE MONITOR LOGGER

Smart temperature/humidity 3 channels input sensors. TTU2817L is equipped with LCD graphic display, 128x64 pixels to display in running time up to three physical parameters or the real-time graph or calculated. Input probe available for combined dual sensor humidity + temperature STO horizontal for conduct mounting, STV vertical for wall mounting and STC cable frame for remote mounting. SS 304 sensor probe are full calibrated with microprocessor built in module for self checking in replacement after removing.

TTU2817L calculates Dew point temperature, absolute humidity, mixing ratio or concentration ratio between water vapor mass to dry air mass.

3 analog outputs as voltage or current loop. 2 controlling On/Off by two relay plus 1 alarm relay configurable on field. Serial output: 1x RS232/RS485 multiprotocol and 1x RS232C aux port. RS485 port connect several devices on local bus network.

Logger mode storage data with scanning interval configurable by user.

Internal clock litio battery. Power supply 24Vac/dc or main 90...240Vac.



Models	Vertical probe (wall)	Remote probe
TTU2817L without relay TTU2817LR with relay	STV L=130 mm	STC102 L=130 mm - 2 m cable STC105 L=130 mm - 5 m cable STC110 L=130 mm - 10 m cable STC202 L=330 mm - 2 m cable STC205 L=330 mm - 5 m cable STC210 L=330 mm - 10 m cable
TTU2817LTO without relay TTU2817LTOR with relay	duct probe (horizontal)	
	STO1 L = 130 mm STO2 L = 330 mm	



TECHNICAL SPECIFICATIONS

Sensor temperature:	Pt100 RTD 1/3 DIN class range -50...+200°C
Humidity/Temperature:	range 5...98%RH -50...+150°C (on request up to 180°C)
Dew Point TD:	-50...+100°C
Absolute humidity:	0...600 g/m3
Mixing ratio:	0...2000 g/kg of dry air
Accuracy:	+/- 0.25°C, +/-2.5%RH (5...90%RH) and +/-3% (90...98%RH)
Response time:	3 min with mesh filter (at 20°C and 0.5 m / s)
Communication:	RS232C and RS485 Multidrop 9600baud 57600 baud non-permanent
Analog output:	3x 0-4/20 mA 500 Ohm max, 0-2/10Vdc 100 kOhm min,
Resolution:	16 bit
Relay:	2x Working 3A / 250Vac resistive load; 1x changeover contact 1x alarm 3A / 250Vac resistive load, 1 NO
Power supply	24Vdc AC 50 / 60Hz +/- 10%, 90 ... 240Vac 50 / 60Hz 3W
Datalogger:	9000 samples in 256 sessions max
Storing:	temperature, relative humidity, dew point, absolute humidity, mixing ratio, 1, 2 and 3 analog output, 1, 2.3 relay status
Interval:	1,2,5,10,20,60 seconds, 2 and 4 minuts
Accuracy:	+/-1 min/month
Dimensions W x H x D:	143x154x61, weight 600 g, ABS
Protection degree:	IP65



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