Web Sensor - remote thermometer hygrometer barometer with Ethernet interface



code: T7511

Ambient temperature, relative humidity, atmospheric pressure t-line Web sensor. Remote alarm.
Web Sensor with relative humidity and temperature probe on the cable. Built-in atmospheric pressure sensor.

High precision capacitive polymer sensor ensures excellent long term calibration stability and ultimate accuracy. Dual line LCD is an advantage. Measured values are also converted to other humidity interpretation: dew point temperature, absolute humidity, specific humidity, mixing ratio and specific enthalpy.

The device is supplied with T+RH probe with 1 meter cable.

Processing and analysis of measured data:

- online in COMET Cloud
- COMET Database software
- integration into 3-party systems

With a newly purchased WebSensor with Ethernet communication, you receive 3 months of COMET Cloud. for free; a full year of operation in COMET Cloud. then requires 1 credit.

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +105 °C
Accuracy	±0.4 °C
Resolution	0.1 °C
HUMIDITY SENSOR	
Measuring range	0 to 100 % RH
Accuracy	±2.5 % RH from 5 to 95 % at 23 °C
Resolution	0.1% RH
DEW POINT	
Measuring range	-60 to +80 °C
Accuracy	±1.5 °C at ambient temperature T <25 °C and RH >30 %
Resolution	0.1 °C
ATMOSPHERIC PRESSURE SENSOR SENSOR	
Measuring range	600 to 1100 hPa
Accuracy	±1.3 hPa at 23 °C from 800 to 1100 hPa
Resolution	0.1 hPa
GENERAL TECHNICAL DATA	

Operating temperature	-30 to +80 °C
Channels	internal atmospheric pressure sensor, 1x connectable temperature+humidity probe
Counted values	dew point, absolute humidity, specific humidity, mixing ratio, specific enthalpy
Output	Ethernet
Range of humidity sensor temperature compensation	all temperature range
Measuring interval	2 s
Available temperature units	degrees Celsius, degrees Fahrenheit
Available pressure units	hPa, kPa, mbar, mmHg, inHg, inH2O, PSI, oz/in2
Communication protocol	WWW, ModbusTCP, SNMPv1, SOAP, XML
Alarm protocols	E-mail, SNMP Trap, Syslog
Power	9-30 Vdc
Protection class	IP30 electronics; IP40 sensors
Dimensions	88,5 x 147,5 x 39,5 mm; stem length 75 mm
External probe cable length	1 meter
Weight	approx. 155 g
Warranty	3 years