Compact Temperature and Humidity Sensor, Ethernet Output and PoE



code: TA3610

The TA3610 is an Ethernet sensor designed for precise measurement of temperature and relative air humidity.
The new generation brings better temperature measurement accuracy and a modernized humidity measurement circuit that ensures long-term stability, better accuracy, and reliability. The device is equipped with a backlit LCD display and a complete set of alarm functions including LED and acoustic signaling. Thanks to the advanced firmware of the TAx6xx series, the TA3610 also allows the calculation of derived humidity variables such as dew point, Humidex, or Heat Index.

The device supports modern network standards including IPv6. Thanks to new inter-channel calculations, virtual channels can be set, for example, for temperature differences or specific alarm conditions.

The TA3610 sensor is an ideal solution for offices, laboratories, and technical spaces.

Main Benefits:

- Precise measurement of temperature, relative humidity, and calculated variables
- Ability to define inter-channel calculations and extended alarms
- Backlit LCD display, acoustic and LED alarm signaling
- Power supply 5–24 V or PoE
- Integrated backup memory
- Modern web interface, IPv4/IPv6 support, Modbus TCP, COMET Cloud, and fully encrypted communication (HTTPS, SNMPv3, TLS)
- Integrated detachable bracket for easy installation

Technical data

TEMPERATURE SENSOR	
Measuring range	-30 to +60 °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
GENERAL TECHNICAL DATA	
Operating temperature range	-30 to +60 °C
Measurement channels	integrated temperature sensor

Calculated values	dew point temperature, absolute humidity, specific humidity, mixing ratio, specific enthalpy, humidex, heat index
Supported temperature units	degrees Celsius (°C), degrees Fahrenheit (°F)
Temperature compensation of the humidity sensor	across the entire temperature range
Power supply	Power over Ethernet (IEEE 802.3af) or 5–24 V DC
Network interface	Ethernet
IP support	IPv4, IPv6
Communication protocols	HTTP(s), Web server (WWW), HTTP GET (JSON, XML), Modbus TCP, SNMPv1, SNMPv2c, SNMPv3
Alarm protocols	Email (SMTP), Syslog
Measurement interval	1 s
Ingress protection (IP rating)	IP30 (electronics), IP40 (sensors)
Dimensions	116 x 85 x 42 mm; stem 77 x 18 mm
Weight	220 g
Warranty	3 years