egnite

Querx TH

Web thermometer / hygrometer

Querx TH monitors temperature and humidity. In holiday homes, in archives or in data centers. Reliable and exact. With worldwide data access over cloud services.

Easy installation and configuration
Querx TH is easily integrated into an existing network. Power supply is done via Micro-USB, either over power plug adapter or over a free USB port. With the convenient web interface, Querx TH is configured in a few steps and quickly put into operation.

Integrated sensors for temperature and humidity
The device is equipped with factory-calibrated high-quality sensors for temperature and humidity. They are oil-repellent, water- and dustproof.

Alarm function if thresholds are exceeded
If the measured values exceed configurable limits for temperature or humidity, Querx TH triggers alarms. Up to 4 recipients are informed by e-mail, network management systems like Nagios or OpenNMS are notified via SNMP-traps and syslog messages.

Worldwide data access over cloud services
Querx TH can export the measured values to the cloud providers Xively and ThingSpeak. Thus you get worldwide access on Kobold RH's data via web and app.

Programming interfaces for developers
Xively and ThingSpeak provide extensive APIs that make it easy to integrate Querx TH into own projects.

Features

- Reliable monitoring of temperature and humidity
- Integrated high-quality sensors
- Alarms via e-mail, SNMP-Trap and syslog
- StartTLS - supports Gmail, GMX and more
- Uncomplicated configuration over web interface
- Clear graphical depiction of temperature and humidity graduation
- Programming interfaces over cloud
- Data access over Android app
- Power supply over Micro-USB
- Battery powered real-time clock
- Advanced temperature range: -40 °C to 85 °C (-40 °F to 185 °F)
- Compact dimensions

Possible applications

- Server room monitoring
- Property management
- Climate profiles for rooms and buildings
- Preventive conservation of cultural goods
- Cause-determination for mold-remediation

Specifications

Temperature sensor	Measuring range: -40 °C to 85 °C (-40 °F to 185 °F) Accuracy: -10 °C to 85 °C: ±0.3 °C (14 °F to 185 °F: ±0.5 °F), -40 °C to 10 °C: ±1°C (40 °F to 14 °F: ±1.8 °F) Resolution: 0.1 °C (0.2 °F)
Humidity sensor (relative humidity)	CMOS IC with polymide film Measuring range: 0 % bis 95 % RH Accuracy: ±2 % RH from 0 % to 80 % RH and 30 °C (86 °F), ±4 % RH from 80 % to 95 % RH at 30 °C (86 °F) Resolution: 1 % RH
Calibration	From factory
Ethernet	10/100 Mbit RJ45, HP Auto-MDIX
Firmware updates	Over web interface, rescue function
Data capacity	At least 51 days internal
Protocols	HTTP, SMTP, DHCP, SNTP, Syslog, SNMP (traps only), Nut/Discovery
Web interface	User authentication, diagram, live update, HTML5, CSS3, JSON and SVG User management (3 users / 3 groups)
E-Mail	Up to 4 recipients and 2 SMTP servers, StartTLS
Date / time	Real-time clock with battery backup and SNTP-Update
Consumption (Power supply over Micro-USB)	Normal: 120 mA, 0.6 W Maximum: 200 mA, 1 W
Operating temperature	-40 °C to 85 °C (-40 °F to 185 °F), max. 95 % RH
Storing	-40 °C to 85 °C (-40 °F to 185 °F), max. 95 % RH
Housing	ABS thermoplastic for wall mounting, RAL 9011 Dimensions: 56.3 mm x 21 mm x 40 mm plus 340 mm sensing cable (2.2 in x 0.8 in x 1.6 in plus 13.8 in sensing cable) Weight: 35 g (0.08 lb)
Conformity	CE compliant
UL, USA / Kanada	UL94
Protection marking	IP20
RoHS compliance	EU directive 2002/95/EC
Product Identification	Label on the bottom side

Further information

Find out more about Querx TH. Visit www.sensors.egnite.de