

Querx WLAN TH

Wireless LAN Thermometer, Hygrometer and Data Logger



Querx WLAN TH is a thermo-hygrometer with integrated data logger, alert functionality and numerous interfaces for manual and automated data access. The network connection is carried out either over Ethernet cable or over WiFi.

The stand-alone device is configured and operated via a graphical web interface.

Querx WLAN TH supports several cloud services. So you have access to measured data at anytime and from everywhere via web, app and API.

Models



Querx WLAN TH

Article EGN601215



Querx WLAN TH Set

Article EGN601115



Set: Querx WLAN TH plus Ethernet cable, micro-USB cable, USB power supply (GB, EU, US or AU), CD with documentation

Fields of Application

- Production and quality assurance
- Food hygiene (dry storages)
- Server room and rack monitoring
- Remote property monitoring
- Preventive conservation of cultural goods
- Climate monitoring in churches, wine cellars, paper warehouses
- and many more

Features

Integrated sensors

Temperature
Humidity
Dew point calculation

Network connection

100BaseT / RJ45 jack
WLAN 2.4 GHz IEEE 802.11 b/g/n

Data logger

Configurable logging interval
Capacity: 4 million entries,
± 7.5 years (1 entry / min)
to 350 years (1 entry / h)

Web interface

Graphical web interface (HTTP/S)

Configuration

Automatic (Zeroconf, mDNS, DHCP)

Export data formats

CSV
XML

M2M protocols

HTTP/S (XML, CSV, JSON)
SNMPv1
Modbus/TCP
Syslog

Cloud exports

dweet.io, Palamoa,
ThingSpeak

Types of alerts

Temperature / humidity:
too high, too low
rising too fast, dropping too fast
Dew point:
too high / too low

Alert notifications

E-mails (StartTLS / TLS)
SNMP traps
Syslog messages
Audible and visual alarms

Calibration

Optional accredited calibration

Temperature units

°Celsius
°Fahrenheit
Kelvin

Languages

Documentation:
German, English
Software:
German, English

Specifications

Technical data		Email	Up to 4 recipients and 2 SMTP servers
Measuring range temperature	-40 to 85 °C (-40 to 185 °F)	SNMP	SNMPv1 agent and traps
Accuracy temperature	±0.4 °C at -10 to 85 °C ±1.0 °C at -40 to -10 °C (±0.7 °F at 14 to 185 °F ±1.8 °F at -40 to 14 °F)	Signaller	RGB LED, beeper
Resolution temperature	0.1 °C (0.1 °F)	Time / date	Real-time clock with battery backup and SNTP update
Long term stability temperature	Typ. 0.01 °C (0.018 °F) per year	Supply voltage	5 to 5.5 VDC via micro-USB
Measuring range humidity	0 to 95 % RH	Power Consumption	Typ. 200 mA, 1 W Max. 300 mA 1.5 W
Accuracy humidity	±3 % RH at 20 to 80 % RH and 30 °C (86 °F) Typ. ±1 % rF hysteresis	Environment	
Resolution humidity	1 % RH	Operation	-40 to 85 °C, max. 95 % RH (-40 to 185 °F, max. 95 % RH)
Long term stability humidity	Typ. 0.25 % per year	Storage	-40 to 85 °C, max. 95 % RH (-40 to 185 °F, max. 95 % RH)
Humidity sensor	CMOS IC with polyimide film	Mechanical data	
Calibration	ISO or DAkkS certificate optionally available	Casing material	ABS plastic, black, RAL 9011
Ethernet	10/100 Mbit RJ45, HP Auto-MDIX, static or dynamic IP (DHCP client)	Casing dimensions	66 x 50 x 20 mm (2.6 x 2 x 0.8 in)
WiFi	2.4 GHz IEEE 802.11 b/g/n	Sensor cable	340 mm (13.4 in)
WiFi security	WEP, WPA, WPA2	Weight	63 g (0.2 lb)
System	Nut/OS 5	Connectors	RJ45 (Ethernet), micro-USB
Firmware updates	Via web interface, recovery feature	Installation	Wall mounting
Sampling rate	1 second	Certification	
Logging interval	Customizable	Interference immunity	EN 61326-1:2013 class A EN 61000-4-2:2009 EN 61000-4-3:2011 EN 61000-4-4:2013 EN 61000-4-6:2009 EN 61000-4-8:2010
Memory capacity	4 million entries, △ 7.5 years (1 entry / min) to 350 years (1 entry / h)	Emitted interference	EN 61326-1:2013 class B EN 55011:2011
M2M interfaces	HTTP/S (XML, CSV, JSON), Syslog, Modbus/TCP, SNMP	ETSI	EN300 328, Ver. 1.8.1 EN301.489 - 17
Web interface	Interactive chart, live update, HTML5, CSS3, XML and CSV export	Flammability rating	UL94V-0
Security	Start/TLS, HTTPS, password protection, user management (3 users / 3 groups)	Protection class	IP20
		RoHS standard	EU directive 2011/65/EU
		Conformity	CE conform

You can find more information about Querx on our websites sensors.egnite.de and www.egnite.de.

egnite GmbH
Erinstrasse 18
44575 Castrop-Rauxel
Germany

info@egnite.de
Tel. +49 (0) 23 05-44 12 56
Fax +49 (0) 23 05-44 14 87

egnite develops, produces and distributes smart sensor systems, embedded systems and media controls.
For individual requirements, we modify our standard products according to your needs or corporately develop a specific solution.

egnite was founded in 1997 and is located in Castrop-Rauxel, Germany.