



Querx TH

Web Thermometer, Hygrometer and Data Logger

Querx TH is an Ethernet-based thermo-hygrometer with integrated data logger, alert functionality and numerous interfaces for manual and automated data access.

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

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

Models



Querx TH

Article EGN600214



Querx TH Set

Article EGN600114



Set: Querx 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

Data logger

Configurable logging interval
Capacity: 73,728 records,
± 51 days (1 / min)
to 8.4 years (1 / h)

Web interface

Graphical web interface

Configuration

Automatic (Zeroconf, mDNS, DHCP)

Export data formats

CSV
XML

M2M protocols

HTTP (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

Calibration

Optional accredited calibration

Temperature units

°Celsius
°Fahrenheit
Kelvin

Languages

Documentation:
German, English
Software:
German, English

Specifications

Technical data		E-mail	Up to 4 recipients via 2 SMTP servers
Measuring range temperature	-40 °C to 85 °C (-40 °F to 185 °F)	SNMP	SNMPv1 agent and traps
Accuracy temperature	±0.4 °C from -10 °C to 85 °C ±1.0 °C from -40 °C to -10 °C (±0.7 °F from 14 °F to 185 °F ±1.8 °F from -40 °F to 14 °F)	Status LED	3 colours: red, green, yellow
Resolution temperature	0.1 °C (0.1 °F)	Date / time	Battery backed real-time clock and SNTP update
Long-term stability temperature	Typ. 0.01 °C (0.018 °F) per year	Power supply	5 to 5.5 VDC over micro-USB
Sampling rate	1 second	Consumption	Typical 120 mA 0.6 W, max. 200 mA 1 W
Measuring range humidity	0 % to 95 % RH	Environment	
Accuracy humidity	±3 % RH from 20 % to 80 % RH and 30 °C (86 °F) Typ. ±1 % rF Hysteresis	Operating conditions	-40 °C to 85 °C, max. 95 % RH (-40 °F to 185 °F, max. 95 % RH)
Resolution humidity	1 % RH	Storage conditions	-40 °C to 85 °C, max. 95 % RH (-40 °F to 185 °F, max. 95 % RH)
Long-term stability humidity	Typ. 0.25 % per year	Mechanical data	
Humidity sensor	CMOS IC with polyimide film	Housing material	ABS thermoplastic, black, RAL 9011
Calibration	DAkKS certificate optionally available	Housing dimensions	56 x 40 x 20 mm (2.2 x 1.6 x 0.8 in)
Ethernet	10/100 Mbit RJ45, HP Auto-MDIX, static or dynamic IP (DHCP client)	Length sensing cable	340 mm (13.4 in)
System	Nut/OS 5	Weight	35 g (0.07 lb)
Firmware updates	Via web interface, rescue function	Connector	RJ45 (Ethernet), micro-USB
Logging interval	Configurable	Mounting	Wall mounting
Data capacity	73,728 records, △ 51 days (1 / min) to 8.4 years (1 / h)	Certificates	
M2M	HTTP (XML, CSV, JSON), Syslog, Modbus/TCP, SNMP	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
Web interface	Interactive chart, live update, HTML5, CSS3, XML and CSV	Emitted interference	EN 61326-1:2013 class B EN 55011:2011
Security	Start/TLS, password protection, user management (3 users / 3 groups)	Flammability class	UL94V-0
		Protection mark	IP20
		RoHS compliance	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.

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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.