

Querx PT

Pt100 / Pt1000 Network Thermometer and Data Logger



Querx PT is an Ethernet-based thermometer for usage with any Pt100 / Pt1000 temperature probe. It provides an 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 PT supports several cloud services. So you have access to measured data at anytime and from everywhere via web, app and API.

Models



Querx PT100
Article EGN600514

Querx PT1000
Article EGN600814

Querx PT100 Set
Article EGN600414

Querx PT1000 Set
Article EGN600714

Set: Querx PT plus Ethernet cable, micro-USB cable, USB power supply (GB, EU, US or AU)

Fields of Application

- Production and quality assurance
- Food hygiene (cold storage rooms, refrigeration)
- Laboratory and pharmacy
- Server room and rack monitoring
- Building services (heating, air conditioning, ventilation)
- Summer house, conservatory
- Sauna or pool thermometer
- and many more

Features

Sensor

2-, 3- and 4-wire
Pt100 / Pt1000 cable probe

Network connection

100BaseT / RJ45 jack

Data logger

Configurable logging interval
Capacity: 73,728 records,
± 51 days (1 entry / min)
to 8.4 years (1 entry / 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:
too high, too low
rising too fast, dropping too fast

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

Hardware and Interfaces		Ambient Conditions	
Pt100 or Pt1000 connector	2-, 3- and 4-wire	Operation	-40 to 85 °C, max. 95 % RH (-40 to 185 °F, max. 95 % RH)
Measuring range temperature	-200 to 750 °C (-328 to 1382 °F)	Storage	-40 to 85 °C, max. 95 % RH (-40 to 185 °F, max. 95 % RH)
Accuracy temperature	±0.5 °C (±0.9 °F)	Mechanics	
Resolution temperature	0.1 °C (0.1 °F)	Casing material	ABS plastic, black, RAL 9011
Calibration	ISO and DAkkS certificate optionally available	Casing 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)	Sensor cable	340 mm (13.4 in)
System	Nut/OS 5	Weight	35 g (0.07 lb)
Firmware updates	Via web interface, recovery feature	Connectors	RJ45 (Ethernet), micro-USB
Sampling rate	1 second	Installation	Wall mounting
Logging interval	Customizable	Certification	
Memory capacity	73.728 entries, ± 51 days (1 entry / min) to 8.4 years (1 entry / h)	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
M2M interfaces	HTTP (XML, CSV, JSON), Syslog, Modbus/TCP, SNMP	Emitted interference	EN 61326-1:2013 class B EN 55011:2011
Web interface	Interactive chart, live update, HTML5, CSS3, XML and CSV export	Flammability rating	UL94V-0
Security	Start/TLS / TLS, password protection, user management (3 users / 3 groups)	Protection class	IP20
Email	Up to 4 recipients and 2 SMTP servers	RoHS standard	EU directive 2011/65/EU
SNMP	SNMPv1 agent and traps	Conformity	CE conform
Status LED	3 colours: red, green, yellow		
Time / Date	Real-time clock with battery backup and SNTP update		
Supply voltage	5 to 5.5 V DC via micro-USB		
Power consumption	Typ. 120 mA, 0.6 W Max. 200 mA, 1 W		

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.