

QT.X

Universal temperature sensor

Product features

Temperature measurement in pipes, tanks, or air ducts
Stainless-steel measuring probe: Ø 6 mm, length 10 or 20 cm
Available as a passive or active temperature sensor
U_v active versions: AC/DC 24 Volt
Active analogue output: 0 – 10 Vdc or 4 – 20 mA
Available with MODBUS RTU or BACnet MS/TP
Enclosure protection class: IP65
Active sensors optionally available with LCD display and NFC

Types

Passive

Type	Measuring element ¹⁾	Measuring probe length [cm]
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Type	Measuring element ¹⁾	Measuring probe length [cm]
QT.X.10	Pt1000	10
QTN.X.10	Ni1000 / Tk5000	10
QTC10.X.10	NTC 10 kΩ	10
QTC20.X.10	NTC 20 kΩ	10
QT.X.20	Pt1000	20
QTN.X.20	Ni1000 / Tk5000	20
QTC10.X.20	NTC 10 kΩ	20
QTC20.X.20	NTC 20 kΩ	20

Analogue output

Type	Measuring range [°C]	Measuring probe length [cm]
QT.X.10.Ui	0 – 100 ²⁾	10
QT.X.10.Ui.LCD	0 – 100 ²⁾	10
QT.X.20.Ui	0 – 100 ²⁾	20
QT.X.20.Ui.LCD	0 – 100 ²⁾	20

MODBUS

Type	Measuring range [°C]	Measuring probe length [cm]
QT.X.10.A	0 – 100 ²⁾	10

Type	Measuring range [°C]	Measuring probe length [cm]
QT.X.10.A.LCD	0 – 100 ²⁾	10
QT.X.20.A	0 – 100 ²⁾	20
QT.X.20.A.LCD	0 – 100 ²⁾	20

BACnet

Type	Measuring range [°C]	Measuring probe length [cm]
QT.X.10.B	0 – 100 ²⁾	10
QT.X.10.B.LCD	0 – 100 ²⁾	10
QT.X.20.B	0 – 100 ²⁾	20
QT.X.20.B.LCD	0 – 100 ²⁾	20

¹⁾Other measuring elements are available on request

²⁾Adjustable measuring ranges: 0 – 40 / 0 – 50 / 0 – 100 / 0 – 150 / 0 – 200 / -50 – 200 / -50 – 50 / -30 – 60 / -20 – 150 / -20 – 80 °C.
Standard setting: 0 – 100 °C

Specifications

The QT.X_ sensors can be used for measuring temperatures of liquid media in pipes or tanks, in combination with suitable immersion pockets. They are also suitable for temperature measurements in air ducts, using a mounting flange. Immersion pocket or mounting flange must be ordered separately.

Measuring probe

Stainless steel Ø 6 mm, length 10 cm or 20 cm

Power supply U_v

Passive: Pt1000, NTC10kΩ, NTC20kΩ, Ni1000, Tk5000

Active: AC/DC 24 Volt

MODBUS or BACnet: AC/DC 24 Volt

Measuring range

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MODBUS or BACnet: 10 measuring ranges (adjustable), standard 0 - 100 °C
Active: 10 measuring ranges (adjustable), standard 0 - 100 °C

Measuring element

Passive: Pt1000, NTC10kΩ, NTC20kΩ, Ni1000, Tk5000

Enclosure protection class

IP65

LCD display (NFC)

MODBUS, BACnet and active sensors optional with LCD display (NFC)

Questions or request a quote for QT.X?

Our experts can help you with technical questions, product selection and provide a quotation for your project.

Ask a question Request a quote



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