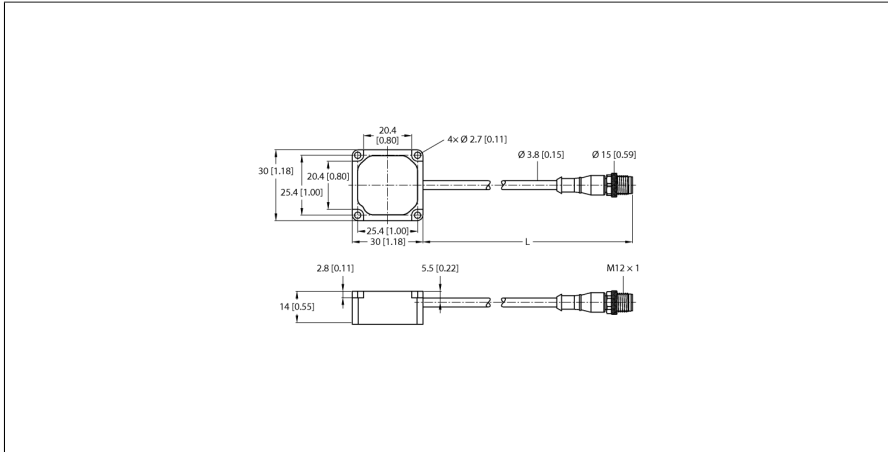


# Vibration & Temperature Sensor With Serial Interface Modbus RTU QM30VT2-SS-9M

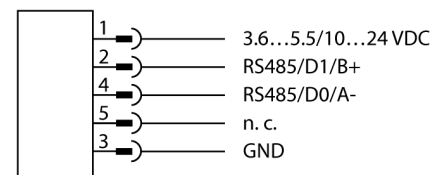


Type	QM30VT2-SS-9M
ID	3806274
<b>Wireless data</b>	
Function	Vibration sensor
Device type	Sensor
<b>I/O data</b>	
Communication protocol	Modbus RTU RS485
<b>Electrical data</b>	
Operating voltage	10...24 VDC
<b>Mechanical data</b>	
Design	Rectangular, QM30VT
Housing material	Stainless steel
Electrical connection	Cable, 9.1 m
Antenna connection	No radio participant
Ambient temperature	-40...+105 °C
Protection class	IP69

**Tests/approvals**

- For detecting temperature and vibration values
- Robust stainless-steel housing
- Protection classes IP67/IP69K
- PVC cable, 9.1 m
- Shock resistant up to 400 g
- BWA-BK-023 mounting plate kit included in delivery
- Temperature measuring range: -40... 105 °C
- Resolution: 1 °C
- Accuracy: ± 3 °C
- Vibration measuring range: 0...46 mm/s RMS
- Frequency range: 10...4000 Hz
- Accuracy: ± 10 % at 25 °C
- Operating voltage: 10...24 VDC or 3.6... 5.5 VDC
- RS485 interface, supports Modbus RTU

**Wiring Diagram**



**Functional principle**

This sturdy sensor in a metal housing was developed to monitor vibrations and the temperature of moving machine parts. The data can be transferred to a controller via the RS485 interface, thus enabling an imminent failure of

the machine to be identified at an early stage and corrective action to be taken. The rugged housing is IP67-rated and allows the detection of vibrations on two axes. The sensor can be mounted or stuck on the machine with the relevant accessories.

## Accessories

Type code	Ident no.		Dimension drawing
BWA-QM30-FTSS	3810634	Mounting plate kit for QM30VT-SS sensors, stainless steel, screw set included	

## Function accessories

Type code	Ident no.		Dimension drawing
BWA-HW-006	3081325	Converter cable, RS485 to USB 2.0 converter, female connector, M12 × 1, 5-pin, male connector, USB type A, length 1 m; supplies the connected device with 10 V. An external power supply via a Y-splitter (6634679) is recommended for the connected device	