



BANNER QM30VT Series QM30VT2 Temperature and Vibration Sensor User Guide

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BANNER QM30VT Series QM30VT2 Temperature and Vibration Sensor



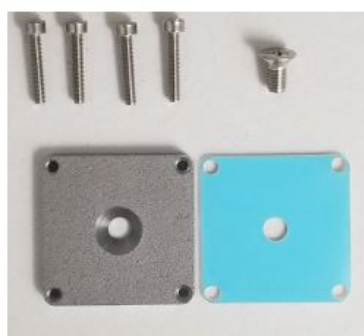
Installing the BWA-QM30-FT Brackets

The required components included in the BWA-QM30-FTSS and BWA-QM30-FTAL bracket assemblies are:

- One SMBQM30 bracket
- One Phillips 1/4-28 x 1/2 flathead screw
- Four M2.5 socket head cap screws
- One thermal tape (BWA-BK-022 only)

The following items are recommended, but not included in the bracket or sensor kits:

- Loctite 410 (blue)
- Cleaning wipes
- 2 mm hex Allen wrench
- Phillips screwdriver



Install the BWA-QM30-FT Brackets Using Thermal Tape

This example uses a QM30VT2 with BWA-QM30-FTAL. The same steps can be applied for a QM30VT1 with BWA-QM30-FTAL or a QM30VT2-SS-9M with BWA-QM30-FTSS. The provided thermal tape or desired epoxy could be used by following these steps.

- Clean the bracket and sensor.
- Place the sensor on top of the bracket so the countersunk hole is covered by the sensor and the four corner holes align.



- Screw the sensor to the bracket with the provided screws using a 2 mm Hex Allen wrench. The maximum torque for socket head screws is 0.5 N·m. Do not over tighten.

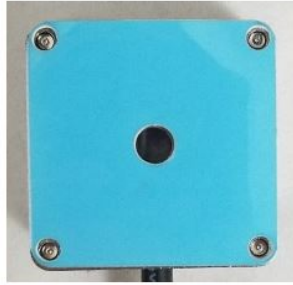


- Apply the thermal tape to the bracket.

1. Turn sensor with bracket side faced up.
2. Peel the clear liner off the thermal tape.
3. Align and stick the thermal tape to the bracket with blue liner facing up.



- Peel off the blue side of the tape.
- Stick the bracket and sensor assembly to equipment.
- Apply pressure for 30 seconds to improve adhesion.



Install the BWA-QM30-FT Brackets Using a Flathead Screw

This example uses a QM30VT2 with BWA-QM30-FTAL for demonstration. The same steps can be applied for a QM30VT1 with BWA-QM30-FTAL or a QM30VT2-SS-9M with BWA-QM30-FTSS.

- Clean bracket and sensor.
- Tap a 1/4-28 x 1/2 hole into the surface of the equipment you want to monitor.
- Put the flathead screw into the countersunk hole of the bracket.



- Coat the threads in the mounting surface with the 410 series Loctite.
- Screw the bracket into your drilled hole until the bracket is snug. The maximum torque for the flathead screws is 1 N·m. Do not over tighten.
- Place the sensor on top of the bracket so the four corner holes align. Secure sensor to bracket with the provided screws using a 2 mm Hex Allen wrench. The maximum torque for socket head screws is 0.5 N·m. Do not over tighten.



Install the BWA-QM30-FM/CM Magnetic Round Mount Brackets

The required components included in the BWA-QM30-FMSS and BWA- QM30-CMAL bracket assemblies are:

- One bracket
- BWA-QM30-FMSS: Four M2.5 x 14 mm and four M2.5 x 16 mm socket head cap screws
- BWA-QM30-CMAL: Four M2.5 x 16 mm socket head cap screws

The following items are recommended, but not included in the bracket or sensor kits:

- Cleaning wipes
- 2 mm hex Allen wrench



This example uses a QM30VT2, but these steps can also be used on other QM30VT models. Brackets BWA-QM30-FMSS and BWA-QM30-CMAL are not included with the QM30VT sensor and must be purchased separately.

- Clean the bracket and sensor.
- Turn the bracket so the magnet is facing down.



- Place the sensor on top of bracket, aligning the four corner holes.
- Secure the sensor to the bracket using the screws for the model being installed.

The maximum torque for flathead screws is 0.5 N·m. Do not over tighten.



- Place the sensor on the equipment to be monitored.

Documents / Resources



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QM30VT Series, QM30VT2, Temperature and Vibration Sensor

References

-  [Banner Engineering](#)