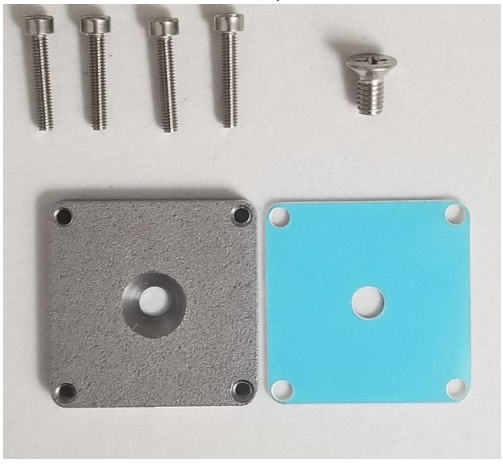
Quick Start Guide

Installing the BWA-QM30-FT Brackets

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

- One stainless steel or aluminum 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)

Bracket kit parts



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.

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

BWA-QM30-FTAL and QM30VT2 sensor



QM30VT2 mounted on the BWA-QM30-FTAL bracket



3. 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.

Original Instructions
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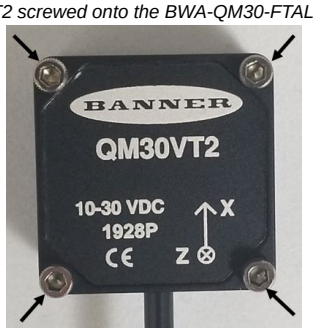
QM30VT2 screwed onto the BWA-QM30-FTAL bracket



4. Apply the thermal tape to the bracket.
    a. Turn the sensor with the bracket side facing up.
    b. Peel the clear liner off the thermal tape.
    c. Align and stick the thermal tape to the bracket with blue liner facing up.

BWA-QM30-FTAL with the blue thermal tape liner facing up



5. Peel off the blue side of the tape.
6. Stick the bracket and sensor assembly to the equipment.
7. 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**.

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

BWA-QM30-FTAL with the flathead screw installed



4. Coat the threads in the mounting surface with the 410 series Loctite.
5. 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.
6. Place the sensor on top of the bracket so the four corner holes align. Secure 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.

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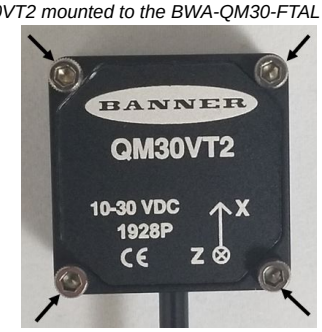
QM30VT2 mounted to the BWA-QM30-FTAL bracket



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

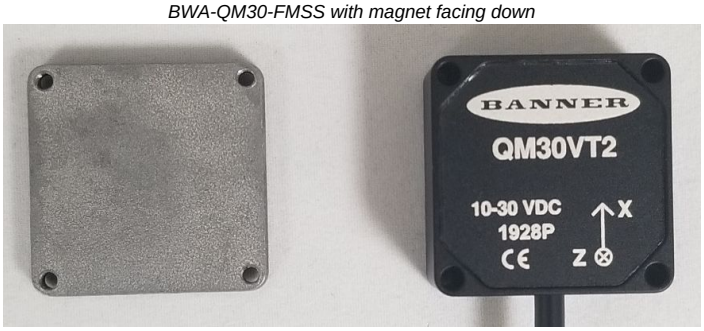
BWA-QM30-FMSS with fasteners



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.

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

BWA-QM30-FMSS with magnet facing down



3. Place the sensor on top of the bracket, aligning the four corner holes.
4. 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.

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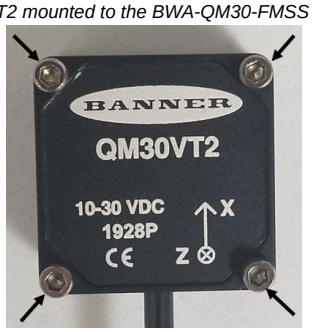
QM30VT2 mounted to the BWA-QM30-FMSS bracket



5. Place the sensor on the equipment to be monitored.

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