

# Bracket Assembly for the QM30VT Sensor



## Quick Start Guide

### Installing the BWA-BK-012 and -014 Bracket Assemblies

Required equipment, which is included in the BWA-BK-012 and BWA-BK-014 bracket assemblies:

- One bracket
- One Phillips flathead screw
- Four M2.5 socket head cap screws
- One thermal tape

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

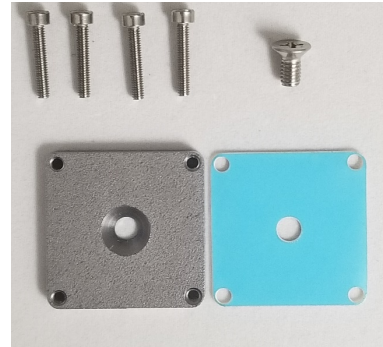


Figure 1. BWA-BK-012 and -014 parts

### Install the BWA-BK-012 or -014 Bracket Using Thermal Tape

This example uses a QM30VT2 with BWA-BK-014. The same steps can be applied for a QM30VT1 with BWA-BK-014 or a QM30VT2-SS-9M with BWA-BK-012. 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.



Figure 2. BWA-BK-014 and QM30VT2 sensor



Figure 3. QM30VT2 mounted on the BWA-BK-014 bracket

3. Screw the sensor to the bracket with the provided screws using a 2 mm Hex Allen wrench.

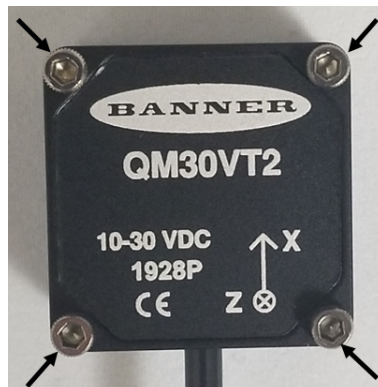


Figure 4. QM30VT2 screwed onto the BWA-BK-014 bracket



4. Apply the thermal tape to the bracket.
  - a) Turn sensor with bracket side faced 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.

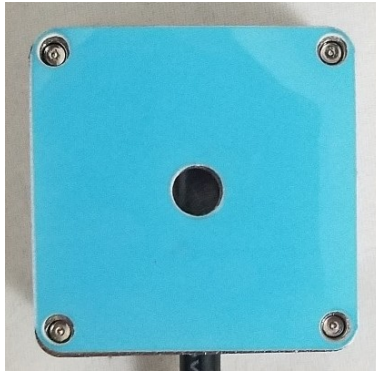


Figure 5. BWA-BK-014 with the blue thermal tape liner facing up

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

### Install the BWA-BK-012 and -014 Using a Flathead Screw

This example uses a **QM30VT2** with **BWA-BK-014** for demonstration. The same steps can be applied for a **QM30VT1** with **BWA-BK-014** or a **QM30VT2-SS-9M** with **BWA-BK-012**.

1. Clean bracket and sensor.
2. Tap a M4 × 0.7 hole into the surface of the equipment you want to monitor.
3. Put the flathead screw into the countersunk hole of the bracket.



Figure 6. BWA-BK-014 with the flathead screw installed

4. Coat the threads in desired surface with the 410 series Loctite.
5. Screw the bracket into your drilled hole until snug.
6. Place sensor on top of the bracket so the four corner holes align and secure sensor to bracket with the provided screws using a 2 mm Hex Allen wrench.



Figure 7. QM30VT2 mounted to the BWA-BK-014 bracket

## Install a QM30VT Using a BWA-BK-013 Magnetic Bracket

This example uses a **QM30VT2**, but these steps can also be used on other QM30VT models. Bracket BWA-BK-013 is sold separately from the QM30VT sensors.

Required equipment, which is included in **BWA-BK-013** bracket kit

- One bracket
- Eight M2.5 socket head cap screws (four 14 mm screws for stainless steel models and four 16 mm screws for aluminum models)

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

- Cleaning wipes
- 2 mm hex Allen wrench



Figure 8. BWA-BK-013 with fasteners

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

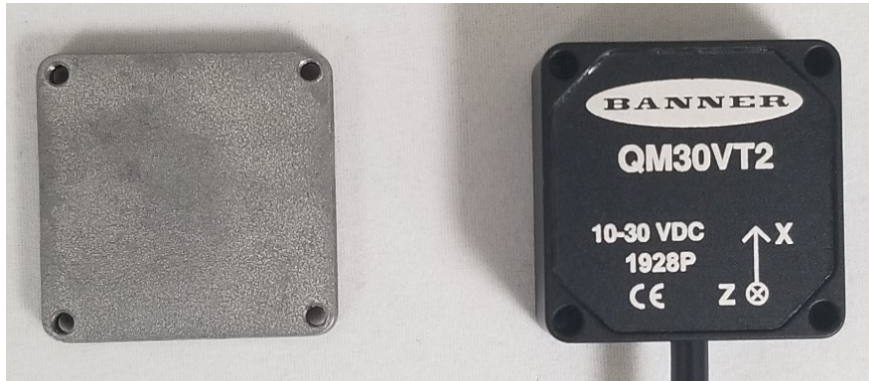


Figure 9. BWA-BK-013 with magnet facing down

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



Figure 10. QM30VT2 mounted to the BWA-BK-013 bracket

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