

Mounting Accessories

Broadsens ultra-low power wireless vibration sensors can be mounted with magnet base, mounting pads, mounting studs, or epoxy in tight spaces. Magnet mount is the easiest way to install the sensor to a ferromagnetic structure such as iron, cobalt, nickel and their alloys. Mounting pads can be attached to machines with epoxy and the sensors can be screwed to the pads. They allow the sensors to be removed easily. Stud mount is the most reliable method for long-term online monitoring with the maximum frequency response. Epoxy can also be used for long-term monitoring with excellent frequency response.



Wireless vibration & temperature sensor with magnet mount

Magnet mounts

H-shape magnet mounts are easy to use and can fit both curved or flat surface. The bottom of the magnet mount has H-shape legs, which makes it applicable to both flat and curved structures, even for small pipes. Make sure that touch one leg of the magnet mount to the surface, and then gently release the other leg to avoid shock impact to the sensor.

SKU	ACE-MAG-01	ACE-MAG-03	ACE-MAG-04
Description	High-temperature H-shape leg magnet mount	Compact H-shape leg magnet mount for curved and flat surfaces	Flat magnet mount for flat surface
Pictures			
Size	Height: 25mm (0.98 inch) including H-shape legs; Diameter: 30mm (1.18 inch); screw thread: M6, 1mm thread	Height: 23mm (0.75 inch) including H-shape legs; Diameter: 26mm (1 inch); screw thread: M6, 1mm thread, 6mm screw height	Height: 10 mm (not including screw height) Diameter: 26mm (1 inch); screw thread: M6, 1mm thread, 6mm screw height;
Weight	99g (3.49 oz)	52g (1.83 oz)	42g (1.48 oz)
Material	Magnet: Neodymium Iron Boron; external: Stainless steel/nickel/copper alloy		
Temperature range	-55 to 180 Celsius (-67 - 356 Fahrenheit)	-55 to 80 Celsius (-67 -176 Fahrenheit)	-55 to 80 Celsius (-67 -176 Fahrenheit)
Frequency range*	0 to 5kHz		0 to 10kHz

- * Magnet mount can be used up to 10 kHz on very smooth, flat, and clean surfaces with good contact, or fixed with epoxy.
- * ACE-MAG-02 is unavailable at the moment, please use ACE-MAG-03; ACE-MAG-01 is for special order only
- * Magnetic strength: up to 14kg

Mounting pads

Mounting pad should be used with epoxy for flat surface mounting. BroadSens offers two types of mounting pads.

SKU	ACE-PAD-01	ACE-PAD-02
Description	Integrated mounting pad with M6 stud	Circular mounting pad with M8 mounting hole
Pictures		
Size	Width: 28mm (1.11 inch); Depth: 24mm (0.95 inch) Height: 13mm (0.49 inch)	Width: 30mm (1.18 inch), height: 11mm (0.43 inch); screw thread: M8 (use with ACE- STUD-01 mounting stud)
Weight	26g (0.92oz)	58g (2.0oz)
Material	Stainless steel	Stainless steel
Frequency range	0 to 15kHz	0 to 15kHz

Mounting stud

Mounting stud is light weight and provides maximum stability. However, it requires to drill M8 size screw hole on the structure. The stud has M6 thread on top to screw to the bottom of BroadSens wireless vibration & temperature sensors. The bottom of the stud has M8 thread that can be screwed into the machine.

SKU	ACE-STUD-01
Description	M6 to M8 mounting stud.

Picture	
Size	Top: M6*6L (Length: 6mm (0.24 inch), 1mm thread); Bottom: M8x10L (Length: 10mm (0.39 inch), 1.25mm thread)
Weight	5g (0.18 oz)
Material	Stainless steel
Frequency range	Unlimited