

ltem	Item-No.
BAM100	00020455-00
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Accessories	
M8 Mounting Stud	00020459-00
Mounting plate	00020458-00

BAM100 Acceleration Sensor

Bachmann offers piezoelectric accelerometers. Our sensors follow the tried and tested industry standard design for acceleration sensors, including an extremely robust housing, hermetic sealing and an insulated housing. This means that they are suitable for demanding ambient conditions.

The small size and simple mounting arrangement, via a threaded stud, make them suitable for a wide variety of measurement points. Straight or angled cable connectors are available for the standard 4-pin M12 connector to ensure optimum cable runs.

The built-in electronics of the piezoelectric acceleration sensors offer sensitivity down to frequencies of 0.5 Hz, and a flat response over a wide frequency range. Signals are delivered by the IEPE constant current method and are connected to (and driven from) the IEPE inputs of the AIC2xx modules.

The BAM100 sensor has a nominal sensitivity of 100 mV/g, generally used for rotating machines with speeds over 2 Hz (120 rev/min).



Acceleration Sensor	BAM100		
Physical			
Sensing element design	PZT, shear		
Weight	90 g		
Case material	316L stainless steel		
Output connector	4 pin, M12-style		
Mating connector	M12-style		
Recommended cabling	shielded, twisted pair		
Mounting	1/4-28 UNF tapped hole		
Connections	Connector pin	Function	
	shell	Ground	
1 ((0 0))3	1	Signal ground	
	2	N/C	
CONNECTOR KEY	3	Power / signal	
	4	N/C	

Note: Frequency response limits, spectral and noise values are typical Accessories supplied: 1/4-28 – M8 mounting stud