

Condition Monitoring



BAM100 / BAM500 Acceleration Sensors

The tried and tested acceleration sensors are provided with an extremely robust housing, a hermetic sealing and an insulated housing and are thus proven even for demanding ambient conditions. Their minimally invasive mounting on the object as well compact dimensions make them suitable for difficult to access measuring points.

The piezo vibration sensors offer a sensitive response to the smallest accelerations and are connected via the IPC inputs of the AIC212. The BAM100 sensor is suitable for fast rotating machine areas. The more sensitive BAM500 sensor is used for slow rotating areas.

Item	Item no.
BAM100	00020455-00
BAM500	00020456-00

Acceleration sensor	BAM100	BAM500
Technical data		
Sensitivity	100 mV/g	500 mV/g
Output	ICP®-compatible	
Sensor connection	M12	
Measuring range	0.5/0.2 Hz to 14 kHz	
Acceleration range	VDC >25 V 80 g maximum	VDC >22 V 10 g maximum
Amplitude nonlinearity	1 %	
Frequency response	± 3 dB 0.5 Hz to 14 kHz	± 3 dB 0.2 Hz to 14 kHz
Resonance frequency	30 kHz	
Operating voltage	18 to 30 VDC	
Operating current	2 to 10 mA	