

SAFETY IS OUR PRIORITY

BARTEC SYSCOM

MS2011+

**Force-Balance
Accelerometer**



The MS2011+ is a triaxial Force-Balance Accelerometer, suitable for different applications:

- Nuclear Power plants
- LNG plants
- Dams
- Buildings
- Any other structure needing a very high-sensitive vibration monitoring

MS2011+ FBA Accelerometer

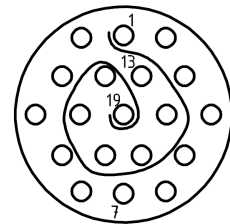
The MS2011+ is a triaxial high dynamic range Force-Balance Accelerometer FBA. The device can be connected to SYSCOM MR2002-SM24-K and MR3000 dataloggers for very sensitive and very low noise vibration level monitoring.

Technical Specifications

Structure	Three-component integration and force-balance electronic feedback
Operating temperature	-20 to +50 °C
Orientation	Triaxial, horizontal (floor) mounting
Linearity	< 0.1% FS
Frequency response	DC to 150 Hz (-3 dB)
Dynamic range	typ. >135 dB (1 to 100 Hz)
Output voltage	± 10 V differential
Supply voltage	9 - 18 V DC single ended
Measuring range	±4 g
Sensitivity	2.5 V/g (differential)
Cross axis rejection	> 40 dB
Accessories	Mounting plate included

Physical characteristics

Housing	Aluminium, 122 x 122 x 63 mm
Weight	2 kg
Protection degree	IP 67



Signal	Number	Colour
+12 V	1	White
0 V	2	Brown
Channel X+	4	Yellow
Channel X-	8	Green
Channel Y+	6	Grey
Channel Y-	7	Pink
Channel Z+	15	Blue
Channel Z-	16	Red
Test pulse	17	Violet
Control	9	Black
Ground	3	Grey/ Pink
Not used	5,10,11,12, 13,14,18,19	Red/ Blue

MS2011+ connector details

Part number

MS2011-H4-A-DIFF-TRIA	Horizontal mounting, triaxial, ±4 g
81000658-L	Sensor cable, from Motion Recorder to MS2011+, length L (in meters). The default length is 5 m.

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