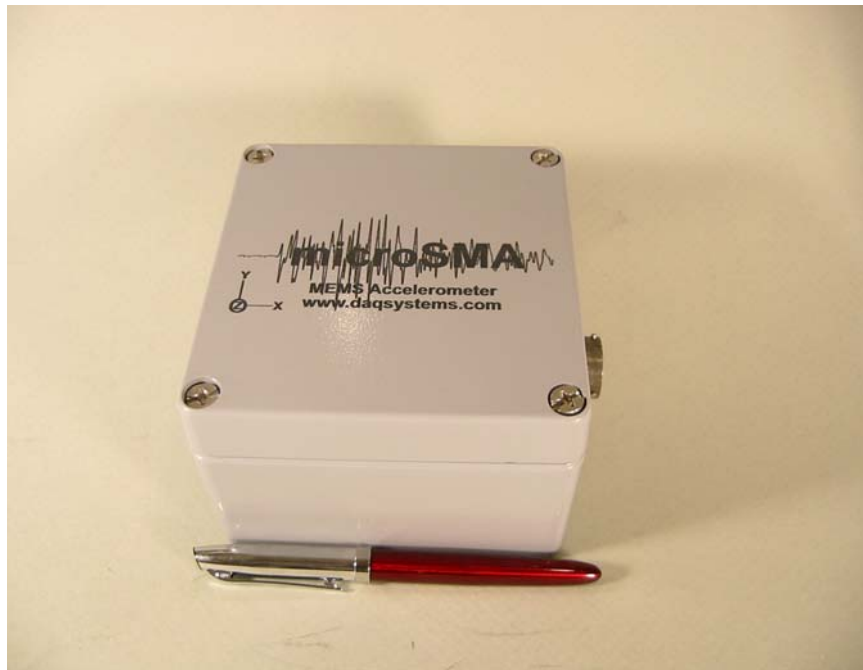


MicroSMA

Digital Accelerometer System

1245 Bridger Hills Drive
Bozeman, Montana USA
www.daqsystems.com
1-406-586-8028

The MicroSMA is a MEMS (Micro Electro Mechanical System) accelerometer offering three grades of performance, USB or analog outputs, optional GPS time-stamp, robustness, immunity to electromagnetic interference and small size. MicroSMA is compatible with the NetDAS data acquisition system, runs from USB power and comes with the easy-to-use DAQ-Sys-Lab Java data logging application.



Applications and highlights

- Structural and vibration analysis
- 60 dB dynamic range (USB output option)
- 115 or 90 dB dB dynamic range (analog output option)
- +/- 3g (115dB) or +/- 5g (90dB) full scale
- 50 microsecond time-stamp accuracy
- Power consumption of less than one-half watt
- Compatible with NetDAS
- 5VDC power input
- OEM option (no case)

MicroSMA Specifications

	Digital accelerometer option
Dynamic range	60 dB
Bandwidth	DC – 1000 Hz
Inter-channel skew	None
Full scale	+/- 5 g
Sensitivity	819 counts/g
Timing accuracy	50us
Data formats	SEG-Y, MATLAB, SEED, SAC, SUDS, GSE, ASCII
Cross-axis rejection	34 dB
Calibration	Programmable self-test
Operating systems	<i>Microsoft Windows XP/Vista/Linux</i>
Environmental	IP64 (IP65, IP66 option), -30 to +50 degrees C
Enclosures	Crush-proof die-cast Aluminum or tri-axial block
Connectors	USB "B" and TNC (GPS)
Size	4.6(L) X 4.7(W) X 3.3(H), inches or 12(L)X13(W)X8(H), cm
Weight	2.8 lbs or 6.2 kg
Power	0.7 watts, 5 VDC input

	Analog accelerometer option
Dynamic range	90 or 120 dB
Linearity	0.1% FS
Sensitivity	2.4 volts/g
Cross-axis rejection	46 dB
Connector	PT06E-14-19S

Sales and Contact Information

DAQ Systems, Bozeman, MT, USA
Voice: 406-586-8028
Email: inquiry@daqsystems.com
www.daqsystems.com