



USB Vib Sensor – Specification Sheet

TECHNICAL	
Frequency Range	2Hz – 10kHz (± 3dB)
Resolution A/D	16 bit pseudo differential
Noise	0.1mg max
Low Pass Filters	2kHz
Envelope Filters	(1-2)kHz, (2-4)kHz, (4-8)kHz
Range	± 50g
Transverse Sensitivity	Less than 5%
Isolation	Base Isolated
No of lines	100, 200, 400, 800, 1600, 3200, 6400, 12800
Frequency Ranges	50Hz, 100Hz, 200Hz, 500Hz, 1kHz, 2kHz, 5kHz, 10kHz
ELECTRICAL	
Power	5V DC (<100mA) supplied via USB Host
Emissions	EN6 1000-6-4:2001
Immunity	EN6 1000-6-2:1999
MECHANICAL	
Size	70mm (includes connector) x 27mm OD (29mm AF)
Operating temperature	0 deg C to 80 deg C
Weight	150grams (nominal)
Connector	M12 Male connector (5 pin)
Sealing	IP67
ORDER OPTIONS	
Mounting Thread	1= ¼ "UNF 2= M6 3= Quick Connect Base
Cable	1= Psion LIF tether to M12 2 = M12 to Male USB Type A
Magnet	Available to fit sensor base

