

Potable USB DAQ : Mini

Portable 4-Channel Sound and Vibration Analyzer

- USB Powered on the Go
- Small Form Factor
- IEPE and Voltage Inputs
- Software included



Specification

Analog Inputs	
Inputs	Voltage, IEPE
ADC type	24bit delta-sigma dual core with anti-aliasing filter
Sampling rate	Simultaneous 200 kS/sec
Ranges (Dual Core Low Range)	± 10 V (500 mV)
Input Accuracy (Dual Core)	± 0.1 % of reading ± 10 (1) mV, ± 0.1 % of reading ± 1 (NA) mV
Input Coupling	DC, AC 0.1 Hz, 1 Hz, 3 Hz, 10 Hz
IEPE mode	
Excitation	2, 4, 8, 12, 16 or 20 mA
Compliance voltage	25 Volt
Output Impedance	> 100 k Ω
Sensor detection	Shortcut: < 4 Volt; Open: > 19 Volt
Digital inputs	
Inputs	1 counter, 3 digital, Fully synchronized with analog data
Counter modes	counting, waveform timing, encoder, tacho, gear-tooth sensor
Input level compatibility	CMOS, LVTTTL
Input protection	± 25 V continuous
Digital output	1 ch open collector, max. 100 mA / 30 V
Power	
Power supply	5.0 V (+0.25 V, -0.6 V) DC
Power consumption	Data USB port: Max. 2.5 W, Power USB port: Typ. 2.5 W, Max. 6 W
Environmental & Physical	
Operating Temperature	-10 to 50 °C
Dimensions	146 x 139 x 64 mm
Weight	0.74 kg