

Plug.n.DAQ Lite

IEPE USB DAQ



ROGA Plug.n.DAQ Lite is a compact 2 channel IEPE data acquisition device for recording and analysis.

The IEPE DAQ features the widespread USB interface and requires no driver installation.

In addition to AC inputs, it directly supports IEPE-type sensors, such as microphones and accelerometers.

Three fixed input ranges of 1 volt, 5 volts or 10 volts allow an optimal sensor signal-to-noise ratio adaptation.

Filters on the input and instrumentation quality amplifiers ensure reliable data.

With a bandwidth up to 24 kHz per channel and simultaneous sampling Plug.n.DAQ Lite is highly flexible and may be used with all software packages supporting USB audio devices.

It comes in a rugged aluminum housing, prepared to go wherever the measurement job requires.

Supported operating systems: Android –Linux –Windows

TECHNICAL DATA:

Analog Input:	2ch single ended BNC, IEPE
Impedance	100 kOhm
IEPE power supply	21 V / 4mA
Fixed input range	1, 5 or 10 Volt
Bandwidth	1 Hz to 24 kHz (-3dB) 10 Hz to 22 kHz (-0.5dB)
Sampling Frequency	48 KHz, 44.1 KHz, 32 KHz, 22.05 KHz, 16 KHz, 11.025 KHz
Absolute accuracy	1 % typical
Gain accuracy	0.2 % or better
Distortion	< 0.05%
Dynamic range	>100 dB (FFT based)
Aliasing rejection	-70 dB (up to 0.4 x fs)
Pass band ripple	0.05
Powered by USB	(Power consumption < 1W)
Usable temperature range	+/-0 to +50 °C
Storage temperature range	-10 to +60 °C
Dimensions	82 (w) x 150 (d) x 32 (h) mm
Weight	110 g