

# Plug.n.DAQ Lite

## IEPE USB ADC



**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:

<b>Analog Input:</b>	2ch single ended BNC, IEPE
<b>Impedance</b>	100 kOhm
<b>IEPE power fixed</b>	21 V / 4mA
<b>Fixed input range</b>	1, 5 or 10 Volt
<b>Bandwidth</b>	1 Hz to 24 kHz (-3dB) 10 Hz to 22 kHz (-0.5dB)
<b>Sampling Frequency</b>	32 kHz; 44.1 kHz & 48 kHz
<b>Absolute accuracy</b>	1 % typical
<b>Gain accuracy</b>	0.2 % or better
<b>Distortion</b>	< 0.05%
<b>S/N</b>	90 dB typical
<b>Aliasing rejection</b>	-70 dB (up to 0.4 x fs)
<b>Pass band ripple</b>	0.05 dB
<b>Sampling rates</b>	(simultaneous sampling 16bit) 48 KHz, 44.1 KHz, 32 KHz, 22.05 KHz, 16 KHz, 11.025 KHz, 8 KHz (analog in only)
<b>Powered by USB</b>	(Power consumption < 1W)
<b>Usable temperature range</b>	+/-0 to +50 °C
<b>Storage temperature range</b>	-10 to +60 °C
<b>Dimensions</b>	82 (w) x 150 (d) x 32 (h) mm
<b>Weight</b>	110 g