

# Plug.n.DAQ Lite

## IEPE USB Front End



**ROGA Plug.n.DAQ Lite** is a compact 2channel in/out data acquisition device for recording and analysis.

**Plug.n.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. The outputs may be used for monitoring, playback or signal generation.

Filters on the input and output and instrumentation-quality amplifiers ensure reliable 16-bit data. With a bandwidth up to 24KHz per channel and simultaneous sampling Plug.n.DAQ Lite is highly flexible and may be used with all software packages supporting audio devices. It comes in a rugged aluminum housing, prepared to go wherever the measurement job requires.

Supported operating systems: All

### TECHNICAL DATA:

<b>Analog Input:</b>	2ch single ended BNC, IEPE
<b>Impedance</b>	100 kOhm
<b>IEPE power fixed</b>	24 V / 4m A
<b>Input range</b>	1Volt or 5 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