

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: Windows - Linux - Ubuntu

TECHNICAL DATA:

Analog Input:	2ch single ended BNC, IEPE
Impedance	100 kOhm
IEPE power fixed	24 V / 4m A
Fixed input range	1, 5 or 10 Volt
Bandwidth	1 Hz to 24 kHz (-3dB) 10 Hz to 22 kHz (-0.5dB)
Sampling Frequency	32 kHz; 44.1 kHz & 48 kHz
Absolute accuracy	1 % typical
Gain accuracy	0.2 % or better
Distortion	< 0.05%
S/N	90 dB typical
Aliasing rejection	-70 dB (up to 0.4 x fs)
Pass band ripple	0.05 dB

Sampling rates (simultaneous sampling 16bit)	48 KHz, 44.1 KHz, 32 KHz, 22.05 KHz, 16 KHz, 11.025 KHz, 8 KHz (analog in only)
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