

Plug.n.DAQ

USB Front-End



TECHNICAL DATA:

Analog Input	2ch single ended BNC, IEPE
Impedance	100 kOhm
IEPE power	24 V/4mA
Input ranges	0.1 V, 1 V, 10 V
Bandwidth	3.5 Hz - 24 kHz (-3 dB) 10 Hz - 22 kHz (-0.5 dB)
Sampling Frequency	32 kHz; 44.1 kHz & 48 kHz
Absolute accuracy	2 % typical
Gain accuracy	0.2 % or better
Distortion	< 0.05 %
S/N	> 85 dB (90 dB typical)
Aliasing rejection	-70 dB (up to 0.4 xfs)
Pass band ripple	0.05 dB
Analog Output	2ch single ended BNC
Output	1 V, 100 Ohm
Bandwidth	1 Hz - 22 KHz (+/-0.5 dB, 48 KHz FS) 0.5Hz - 24KHz (-3 dB, 48 KHz FS)
Absolute accuracy	2 % typical
Distortion	< 0.02 %
S/N	> 90 dB
Pass band ripple	0.2 dB
Out of band rejection	-50 dB or better
Others	
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	Approx. 150 grams

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

It 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 24 KHz per channel and simultaneous sampling.

Plug.n.DAQ 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.