



MobyDAQ2

USB Front-End

TECHNICAL DATA:

Analog Input:	2ch single ended BNC, IEPE
Impedance:	100kOhm
IEPE power:	24V/4mA
Input ranges:	0,1V, 1V, 10V
Bandwidth	3.5 Hz to 24 kHz (-3 dB) 10 Hz to 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:	> 85dB (90 dB typical)
Aliasing rejection:	-70dB (up to 0.4xfs)
Pass band ripple:	0.05dB

Analog Output:	2ch single ended BNC
Output	1V, 100 Ohm
Bandwidth	1Hz-22KHz (+/-0.5dB, 48KHz FS) 0,5Hz-24KHz (-3dB, 48KHz FS)
absolute accuracy	2% typical
Distortion:	< 0.02%
S/N	> 90dB
Pass band ripple:	0.2dB
Out of band rejection	-50dB or better

SPDIF in/out:	48KHz, 44.1KHz, 32KHz
Sampling rates (simultaneous sampling 16bit):	48KHz, 44.1KHz, 32KHz, 22.05KHz, 16KHz, 11.025KHz, 8KHz (analog in only)
Powered by USB (power consumption < 1W)	
Usable temperature range	0 +50 °C
Storage temperature range	-10 +60 °C
Dimensions	82(W) 150(D) 32(H)
Weight Approx.	150 gram

TEAC MobyDAQ2

MobyDAQ2 is a compact 2channel in/out data acquisition device for recording and analysis. It features the widespread USB1.1 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. SPDIF I/O is supported as well.

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 MobyDAQ2 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: Win ME, 2K, XP and up; Linux; MacOS (depending on application software.)