Product News

USB A/D conveter box

MobyDAQ16

TEAC Deutschland GmbH

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16 analog input, 16 bit resolution, USB A/D conveter box

TEAC now offer MobyDAQ16, a simple USB A/D conveter box, this allows the recording of 16 analog input channels directly onto PC hard disk drive via popular USB interface.
Available band-width of the system is from 500 Hz/ch to 10 kHz/ch.

High speed USB 2.0 interface

MobyDAQ16 utilises the USB 2.0 interface, this allows a maximum analogue band-width on 16 channels of 10Khz with the data being transfered in real-time.
(MobyDAQ16 can be connected using USB 1.1 interface. But performance will be down.)

Benefits

- The ability to effortlessly capture data with a simple to use solution
- Drivers for major data acquisition software are available.

Front and rear view

Features

16 bit A/D converter allows from 500 Hz/ch to 10 kHz/ch analogue band-width, with continuous recording to PC hard disk drives.

16 ch single-ended or 8 ch differential input is selectable with internal jumper setting.

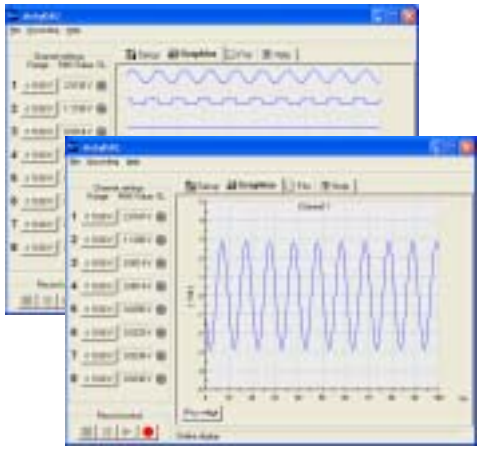
24 bit digital I/O interface is also available.

USB 2.0 interface allows high speed data transfer.

TEAC original easy to use data acquisition software is included.

Driver for DASYLab, DIA/dem, LabView are available.

Small and ruggedised aluminium housing



Easy to use data acquisition software

Our original data acquisition software, provided as standard, is quite simple and easy to use.

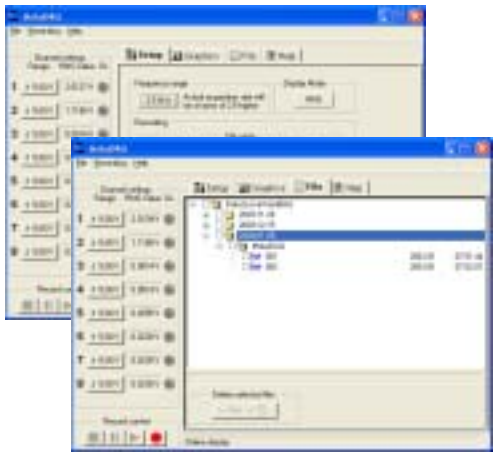
You can start to acquire data in a moment, and see all information on one screen.

It has two monitor mode, one is waveform mode, the other one is bar graph mode.

Every channel has level indicator, select RMS or PEAK.

Acquried data file is TAFFmat file. You can use many data analysis software which support TAFFmat file.(e.g FlexPro)

Acquired data is stored to data folder automaticaly.



Specifications	
Analog Input	16 ch (Single-Ended), or 8 ch (Differential) selectable with jumper setting
Input Mode	DC
Input Range	+/- 1.25 Vp, 2.5 Vp, 5 Vp, 10 Vp (Maximum input voltage +/- 40 V)
Bandwidth	DC to 500 Hz, 2.5 kHz, 5 kHz, 10 kHz
Bit Resolution	16 bits
Accuracy	0,009 %
Conversion time	2.5 µsec
Input impedance	1 Gohm, 30 pF
Digital I/O	24 bits
Recording Times	Depending on the remain disk space, the recording sampling rate and numbers of channels. Example: Approx. 3 hours for 16 ch and 10kHz bandwidth @ 10GByte space Approx. 60 hours for 16 ch and 500Hz bandwidth @ 10GByte space
Interface	USB 2.0 (USB 1.1 is available, but performance will be down)
Dimension	180 (W) x 167 (D) x 80 (H) mm
Mass	Approx. 2 kg
Power Supply	5V DC (DC adapter is included, 100 V – 230 V AC support)

Preliminary specifications.
Features and specifications are subject to change without notice.

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