

DATA SHEET: DIGITEXX PDAQ

PDAQ Portable Data Acquisition Server

This fully portable system offers all the utilities and power needed for field/remote operation. With 8/16 recording channels, 16-bit resolution, adjustable gain, and manual and event driven triggering on all channels, the PDAQ can record up to 10,000 samples per second per channel. The signal-filtering package, which accompanies the system, is equally impressive, offering different topologies and type combinations, which are exceptionally valuable in the field. The PDAQ is light (approximately 15 lbs.) and has versatile power (internal battery, external battery, or AC). Most importantly, data can be visualized as it is acquired, **in real-time**.



The PDAQ provides data acquisition and analysis for vibrations generated by:

- Earthquakes
- Dynamic wind effects
- Temperature effects
- Blasts
- Machinery
- Microtremors
- Laboratory dynamic tests

Technical Specifications

Input Channels	
Quantity	8/16
Type	Differential/Single Ended
Full Scale	10, 5, 1, 0.1
Input Type	Volts
Digitizer	
Type	16-bit
Sampling Rate	10 ks/s
Filters	Multiple configurations
Power	
Internal Battery	12 V, 2 AmpH
External Battery	12V
AC	110 VAC or 220 VAC
Sensors	80 mA/channel max
Acquisition	
On/Off	User trigger
Programmable	Trigger threshold
Trigger Type	Channel voting mech.

Connectors	
Type	MIL-C-26482
Shell	12
Pin Quantity	10
Input	Differential/Single Ended
Power	± 12Vdc
User Interface	
Minimum Laptop Requirements	USB, 700 MHz, 128 MB RAM, 4G HD
Battery Voltage	3.5 digit/built-in DVM
LED Indicator	On/off
On/Off Switch	Toggle/locked
Environmental	
Operating Temp.	0 - 50° C
Humidity	90% non-condensing
Packaging	Rugged composite case
Dimensions	10" x 13" x 4.5"
Weight	15 lbs.

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