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TECHNOLOGY GROUP

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Find the *ADInstruments PowerLab/200* at our website: *Click HERE*

ADInstruments Product List - MacLab/PowerLab

E series hardware units

The E series hardware units consist of three units:

The E series are low-cost data recording units suitable for recording most life science experiments. Your choice of unit will depend on the number of channels you require. If faster sampling and/or computation rates are required, the **S series** is recommended.

200		400		8e	
2 Channel Recorder		4 Channel Recorder		8 Channel Recorder	
					
Model no.	ML201	**Model no.**	ML401	**Model no.**	ML500
Analog Inputs:	Two differential	**Analog Inputs:**	Four differential or single-ended	**Analog Inputs:**	Eight pseudo differential single-ended
Front-end support:	Two	**Front-end support:**	Four	**Front-end support:**	Eight
Digital Inputs & Outputs:	Two TTL	**Digital Inputs & Outputs:**	Four TTL	**Digital Inputs & Outputs:**	Eight TTL
MultiPort:	Yes	**MultiPort:**	Yes	**MultiPort:**	No
ADC resolution	12 bit, 16 bit with averaging	**ADC resolution**	16 bit, 20 bit with averaging	**ADC resolution**	16 bit, 20 bit with averaging
Platform:	MacOS & Windows	**Platform:**	MacOS & Windows	**Platform:**	MacOS & Windows

Common specifications for E series units	
Input impedance	1 Mohm

Input ranges	±10 V to ±2 mV in 1:2:5 increments
Amplifier response	DC to 20 kHz
High-pass filter	0.15 Hz, software-selectable
Low-pass filter	50 Hz, 3-pole Bessel, software selectable
DC offset	Software auto zero
Analog output	1 differential (bi-phasic)
Output ranges	±10 V to ±200 mV in 1:2:5 increments
Output current	25 mA @ 20 V
Output resolution	12 bit
System accuracy	0.1% of full scale range
Sampling rates: Chart	Up to 1,000 samples/s on one channel continuously, up to 100,000 samples/s limited duration
Scope(Mac only)	Up to 100,000 samples/s on one channel, up to 40,000 samples/s with two
Processor	4 MHz 65C02 64kB EPROM
Memory	64 kB RAM
	4 MHz 65C02 64kB EPROM
Main Communication Port	8 bit SCSI port
Serial Port	RS232C port available to 19.2kB on ML500. Requires special software. Contact factory for details.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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