

USB2000-LOG

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APPLICATION

The logger USB2000-LOG is a microcontroller card designed for the Ocean Optics USB2000 Spectrometer (CCD-array). The data are logged to a SD-card. The result is a compact and flexible stand alone logging system, with no moving parts. The logger communicates via RS232 to the USB2000 Spectrometer. All USB2000 serial communication speeds are supported. An easy to handle Software allows setting of necessary parameters. After switching on the power the USB2000 is automatically parameterized. All parameters and spectra are saved on a SD-Card.

SPECIFICATION

Communication	RS232
SD-card	maximal 512 Mb
Time resolution	8 scans / 10 s. Scans are stored on SD-card
Power supply	9 V...18 V 5 V for USB2000 are generated.
Power consumption	0.9 W
Temperature range	-20°C ... +50°C
Controller	8 Bit maincontroller, 8 Bit subcontroller
Parameters	set by software and stored on SD-card

ON REQUEST

Alternative Interfaces Ethernet, W-LAN, modem, radio signal

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