

8010B Unidata OEM Micrologger v3.0

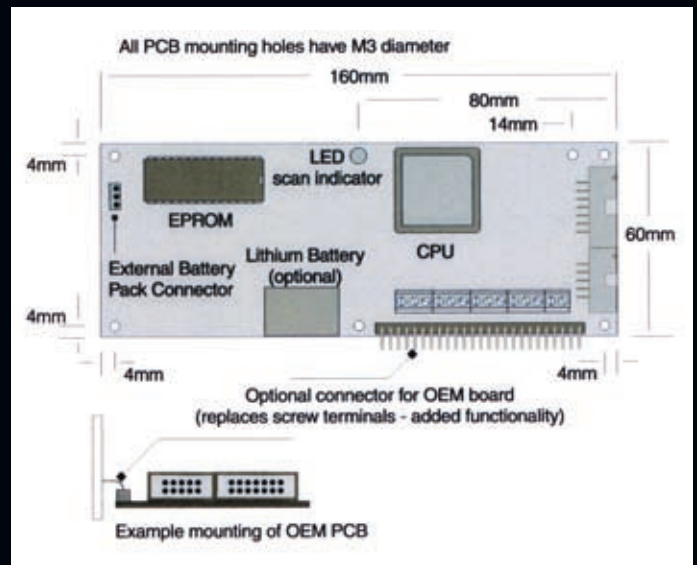
The 8010B Micrologger is an OEM product from Unidata designed to allow quick interfacing to a range of sensors. It is supplied as a populated PCB.

The 8010B is program compatible with the Starlogger and supports many of its extended features such as SDI-12 and HSIO communications.

The 8010B incorporates design features to minimise EMR susceptibility.

Unidata can mount the 8010B in an IP67 polycarbonate enclosure with the dimensions of 80 x 230 x 65 millimetres (W x L x H).

Talk to your Unidata sales representative about custom designs. Minimum order quantities apply to Micrologger.



Specifications

Memory:	512K RAM Supercap or Lithium battery backup options
Indicator:	LED scan indicator
Inputs/Outputs:	All inputs and outputs feature EMI suppression 1 x 16 bit Counter Channel, Max 3kHz (optionally 20kHz) 2 x Analog Channels A0 and A1 – Hi-res 0...2.5V scaled 1.221mV/bit 2 x Digital Inputs (Potential Free) Log Start*, SENSE 1 1 x SDI-12/High Speed Serial I/O channel 1 x 3-wire HSIO Serial I/O channel (14-way ribbon cable and OEM connector) 1 x Open Collector control output OUT 0 RS-232 connector (10-way ribbon cable connector. Can interface to DB-9 connector (off PCB)) Precision 5V reference scan synchronised with pre-scan Analog and digital ground
Power Outputs:	UPS (User Power Supply) can be regulated to any voltage up to that of the battery (700mA max) +12V scan sync. external power* +12V fused input/output (1.1A resettable fuse)*
Power:	3-pin battery pack connector +12V fused input/output power (1.1A resettable fuse)* Operating voltage 6.8 to 18VDC (6V if 5V Ref is not required) Operating current: 60mA. Standby current: 50µA Battery voltage measurement (100mV/bit) A2 Low battery detect and shutdown (hardware and firmware) UPS instruction to control UPS synchronization

* Only available on OEM connector.

8010B

- Wide variety of configurations
- RS-232, SDI-12 and HSIO communications
- IP67 Enclosure
- EMR Hardened
- Cost effective



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