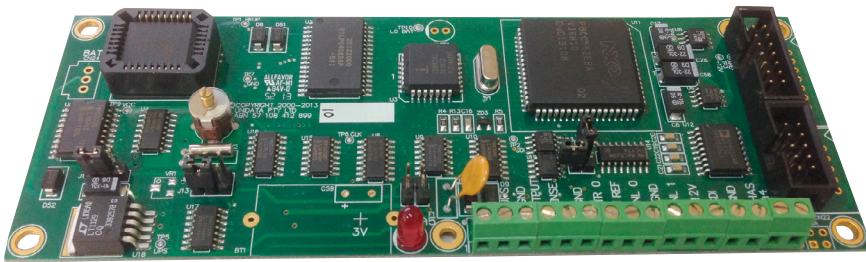


# 8010 MICROLOGGER



## MODEL C



The 8010 Micrologger is an OEM stand-alone datalogger product from Unidata designed to allow quick interfacing to a range of sensors. It is program compatible with the Starlogger / Prologger / Neon Remote Terminal products and supports many extended features such as SDI-12 and HSIO communications.

The 8010 Micrologger incorporates is supplied as a populated PCB only it can be supplied mounted inside polycarbonate IP67 enclosure.

Unidata engineers can advise on any custom requirements you may have for this product.

Minimum order quantities apply to Micrologger.

## SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	Optional Polycarbonate Enclosure
SIZE:	170mm x 80mm x 65mm (LxWxD)
WEIGHT:	75g PCB only, 450g with enclosure
OPERATING TEMPERATURE:	-20°C to 60°C
ELECTRICAL SPECIFICATIONS	
EXTERNAL POWER:	6.8V to 18V DC
INSTRUMENT POWER:	5V DC regulated supply (100mA max) 10V DC regulated supply (100mA max), ±12V DC unregulated 50mA
SDI-12:	SDI-12V 1.3 recorder (1200 baud smart instrument channel) up to ten sensors

I/O:	2 unipolar single-ended – 10 bit resolution voltage input range 0-2.5V resolution: 1.221mV/bit 1 x counter input – 16 bit/20kHz 1 x open collector output, 250mA maximum 1 x CMOS output 1 x HSIO bi-directional 1 x RS232C port / private leased line port Baud rates: 300/1200/2400/4800/9600/19200/38400
INTEGRATED LOGGER SPECIFICATIONS	
STORAGE MEMORY:	Low power CMOS RAM 512KB standard
TIME CLOCK:	Crystal regulated, +/- 10 seconds/month
SCAN RATES:	Programmable from 5 seconds to 5 minutes
LOG INTERVALS:	Programmable from 5 seconds to 24 hours
CPU:	80C552 microcontroller, 14.7456 MHz