

SDX30-B8990 Specifications¹

Input Channels

Analogue Channels	8 with differential inputs
Sensitivity	±10V
Overload Protection	±40V
Zin	10GΩ
Bias Current	10nA
CMRR	110dB
Bandwidth	Flat 0-100kHz

Digital Channels	8
Input Voltage	5-24V
Overload Protection	±40V
Threshold	2.4V with hysteresis
Response Time	10μS (0-24V input)

Sample rate	0.5Hz to 10kHz
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Anti-aliasing Filter	4-pole Butterworth at Neiquist
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A/D	16 bit
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Input connector	36-way IEEE488 (Centronics) female socket on logger
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Logging

Recording	One second pre-event and 6 seconds post-event.
Triggering	Analogue value of any channel, adjustable via software from -10V to +10V Trigger>Signal and Trigger<Signal options.
Max events per file	9999
Storage	Internal Solid state IDE or Compact Flash disk to maximum available capacity Option: PC readable removable Compact Flash
Memory	0.5Mbyte pre-event buffer

General

LCD Display	Reflective, 20 character x 2 line
LEDs	For function indicators
Switches	Record, Stop and Replay
Dimensions	200 x 85 x 100mm (L x W x H)
Material	Enclosure: Painted Diecast Aluminium with front panel overlay
Setup Retention	Internal NiMH battery.
Weight	1.3Kg
Min/Max Temp	0°C /60°C (extended - contact factory).
Power	Max 280mA +5V from PC via USB External 130mA @ 12V, 75mA @ 24V input
PC Software	SDXLog Setup, Acquisition and File Conversion Software
O/S	Windows 98SE and above with USB support
Connector	USB/Power: Screw locking 7-pin Amphenol C91A series

Conformity/Class	IT Equipment
Safety	EN60950:1992, A1:1993, A2:1993, A3:1995, A4:1997, A11:1997
Emissions	EN 55 022:1998, A1:2000, Class A Device
Immunity	EN 55 024:1998

¹ Specification subject to change without notice