

EXL8 Logger Specifications

PHYSICAL SPECIFICATIONS:

Size:	140mm high x 230mm wide x 100mm deep	
Weight:	1.2kg	
Material:	Glass-filled polycarbonate with clear lid	
Sealing:	Dependant on supplied external case	
Temperature:	Operating	-20°C to +55°C
	Storage	-25°C to +70°C

ELECTRICAL SPECIFICATIONS:

Power:	External Battery:	Suggested minimum: Sealed Lead Acid, 12V, 1.3Ah
	Supplied:	240V Plug-pack Charger Module
	Option:	10W Solar Charger
Configurations:	Extensometer:	1 instrument, 6 anchors per extensometer Up to 21833 scans
	Voltage Input:	Up to 8 single-end inputs, 4V max input level Up to 21833 scans with 8 inputs connected
	Crackmeter:	Up to 2 instruments Up to 21833 scans with two crackmeters
Data Logging:	Input Channels:	Depends on logger configuration
	Excitation:	1 x 4v regulated plus 1 x fused 12v, 150msA per input
	Resolution:	1mV
	Digital Filtering:	64 sample integration
	Storage Capacity:	Up to 21833 scans inc Time and Date data (depends on logger input configuration)
	Data Backup:	150 years without primary power
	Logger Timing:	Real-time clock, non-volatile operation
	Scanning Intervals:	1-min, 10-min, 1-hour, 6-hour, 12-hour, 24-hour Manual trigger mode via computer interface
Alarm Logging:	Logging Control:	Global enable/disable of all alarm functions
	Alarm Scan Rate:	Synchronised with data scan or at 1-minute intervals
	Trigger Level:	Individual channel threshold value set by operator
	Trigger Sensing:	Threshold crossed in either [+ve] or [-ve] direction
	Signal Mode:	Set by operator to either Latched or Self-clear mode
	Signal Outputs:	Integrated alarm with 2 isolated relay terminals SMS alert option when a modem is fitted
Communications:	Baud Rate:	9600 baud, 8 data, 1 start, 1 stop, no parity
	Data Format:	Data (mV units), Time, Date
	Data Separator:	Tab/CSV separated columns, text format
	Data Recovery:	Custom WINDOWS Interface software USB Memory Device GSM Modem FTP Modem LoRaWAN (data pushed with scan)

Modem Options:	Type:	Intellimax+4G (GSM or FTP Modes available)
	GSM Comms Rate:	9600 baud, Non-transparent mode
	FTP Mode:	Includes a default time window for remote bidirectional communication with logger
	SIM Card:	Micro-SIM

Cadeanco is continually improving its products and processes and as such information contained in this document is subject to change without notice.

EXL24 Logger Specifications

PHYSICAL SPECIFICATIONS:

Size:	180mm high x 255mm wide x 105mm deep	
Weight:	1.3kg	
Material:	Glass-filled polycarbonate with smoke-tint lid	
Sealing:	Dependant on supplied external case	
Temperature:	Operating	-20°C to +55°C
	Storage	-25°C to +70°C

ELECTRICAL SPECIFICATIONS:

Power:	External Battery:	Suggested minimum: Sealed Lead Acid, 12V, 1.3Ah
	Supplied:	240V Plug-pack Charger Module
	Option:	10W Solar Charger
Configurations:	Extensometer:	Up to 3 instruments, 6 anchors per extensometer Up to 21833 scans with a single extensometer connected
	Voltage Input:	Up to 24 single-end inputs, 4V max input level Up to 21833 scans with 8 inputs connected
	Crackmeter:	Up to 6 instruments Up to 21833 scans with two crackmeters
Data Logging:	Input Channels:	Depends on logger configuration
	Excitation:	1 x 4v regulated plus 1 x fused 12v, 150mA per input
	Resolution:	1mV
	Digital Filtering:	64 sample integration
	Storage Capacity:	Up to 21833 scans inc Time and Date data (depends on logger input configuration)
	Data Backup:	150 years without primary power
	Logger Timing:	Real-time clock, non-volatile operation
	Scanning Intervals:	1-min, 10-min, 1-hour, 6-hour, 12-hour, 24-hour Manual trigger mode via computer interface
Alarm Logging:	Logging Control:	Global enable/disable of all alarm functions
	Alarm Scan Rate:	Synchronised with data scan or at 1-minute intervals
	Trigger Level:	Individual channel threshold value set by operator
	Trigger Sensing:	Threshold crossed in either [+ve] or [-ve] direction
	Signal Mode:	Set by operator to either Latched or Self-clear mode
	Signal Outputs:	Integrated alarm with 2 isolated relay terminals SMS alert option when a modem is fitted
Communications:	Baud Rate:	9600 baud, 8 data, 1 start, 1 stop, no parity
	Data Format:	Data (mV units), Time, Date
	Data Separator:	Tab/CSV separated columns, text format
	Data Recovery:	Custom WINDOWS Interface software USB Memory Device GSM Modem FTP Modem LoRaWAN (data pushed with scan)

Modem Options:	Type:	Intellimax+4G (GSM or FTP Modes available)
	GSM Comms Rate:	9600 baud, Non-transparent mode
	FTP Mode:	Includes a default time window for remote bidirectional communication with logger
	SIM Card:	Micro-SIM

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