

# VWL8 Logger Specifications

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## PHYSICAL SPECIFICATIONS:

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

## ELECTRICAL SPECIFICATIONS:

<b>Power:</b>	External Battery:	Suggested minimum: Sealed Lead Acid, 12V, 1.3Ah
	Supplied:	240V Plug-pack Charger Module
	Option:	10W Solar Charger
<b>Data Logging:</b>	Input Channels:	1 x 8-ch input
	Storage Capacity:	21833 scans of vibrating wire data 16376 scans with thermistor temp data
	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
<b>Alarm Logging:</b>	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 Maximum relay current of 2A SMS alert option when a modem is fitted
<b>Communications:</b>	Baud Rate:	9600 baud, 8 data, 1 start, 1 stop, no parity
	Data Format:	Data (f <sup>2</sup> units), Temperature (°C), Time, Date
	Data Separator:	Tab/CSV separated columns, text format
	Data Recovery:	Custom WINDOWS Interface software USB Memory Device GSM Modem FTP Modem LoRa WAN (data pushed with scan)

<b>Modem Options:</b>	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.*

# VWL24 Logger Specifications

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## PHYSICAL SPECIFICATIONS:

<b>Size:</b>	180mm high x 255mm wide x 100mm deep	
<b>Weight:</b>	1.3kg	
<b>Material:</b>	Glass-filled polycarbonate with smoke-tint lid	
<b>Sealing:</b>	Dependant on supplied external case	
<b>Temperature:</b>	Operating temperature	-20°C to +55°C
	Storage temperature	-25°C to +70°C

## ELECTRICAL SPECIFICATIONS:

<b>Power:</b>	External Battery:	Suggested minimum: Sealed Lead Acid, 12V, 1.3Ah	
	Supplied:	240V Plug-pack Charger Module	
	Option:	10W Solar Charger	
<b>Data Logging:</b>	Input Channels:	Up to a maximum of 24 via 3 x 8-channel inputs	
	Storage Capacity:	8 Channels:	21833 scans of vibrating wire data 16376 scans with thermistor temp data
		16 Channels:	13098 scans of vibrating wire data 9356 scans with thermistor temp data
		24 Channels:	9356 scans of vibrating wire data 6549 scans with thermistor temp data
		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	
<b>Alarm Logging:</b>	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 Maximum relay current of 2A SMS alert option when a modem is fitted	
<b>Communications:</b>	Baud Rate:	9600 baud, 8 data, 1 start, 1 stop, no parity	
	Data Format:	Data (f <sup>2</sup> units), Temperature (°C), Time, Date	
	Data Separator:	Tab/CSV separated columns, text format	
	Data Recovery:	Custom WINDOWS Interface software USB Memory Device GSM Modem FTP Modem LoRa WAN (data pushed with scan)	

<b>Modem Options:</b>	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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