VOLT101A DC VOLTAGE DATA LOGGER

Features

- 10 Year Battery Life
- 4 Hz Reading Rate
- Multiple Start/Stop Function
- Ultra High Speed Download
- 1 Million Reading Storage Capacity
- Memory Wrap
- Battery Life Indicator
- Optional Password Protection
- Programmable High and Low Alarms
- Field Upgradeable

Benefits

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

Applications

- Low Level Signal Monitoring
- Battery Studies
- Power Supply Monitoring
- Process Plants
- Research and Development
- General Purpose Voltage Recording



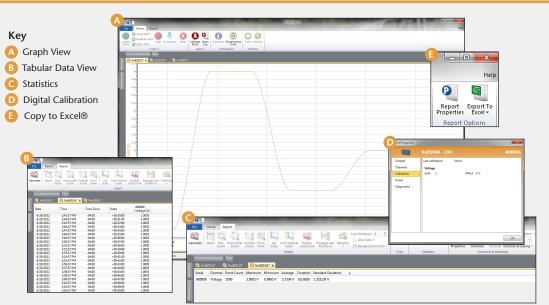
Chris Volt101A data loggers are versati

MadgeTech's Volt101A data loggers are versatile data logging devices with many uses and applications. Connect negative and positive wire leads directly to the terminal port on the Volt101A to monitor and measure voltage levels. The Volt101A is commonly used to assess battery efficiencies or photovoltaic studies to identify how much energy is being created from solar cells.

The Volt101A features a removable terminal

block to allow for simple retrieval of the data logger for downloading while leaving the leads connected. With a ten year battery life and the ability to store up to one million time and date stamped readings, this device is ideal for long term deployment and voltage studies.

Four models of the Volt101A are available. The 2.5 V is capable of measuring -3V to 3 V, the 15 V capable of measuring -8 V to 24 V, and the 30 V which can measure from -8 V to 32 V. For lower voltage applications that require a higher resolution, MadgeTech also offers the Volt101A 160 mV model, which can measure voltage between -160 and 160 mV.



MADGETECH DATA LOGGER SOFTWARE

Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

VOLT101A SPECIFICATIONS*

Input Connection:	Removable screw			Password Protection:	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.	
Model:	2.5V	15V	30V	r assword r rotection.		
Voltage Range:	-3 to +3V	-8 to +24V	-8 to +32V	Engineering Units:	Native measurement units can be scaled to display measurement units of another type. This is useful when monitoring voltage outputs from different types of sensors such as temperature, CO2, flow rate and more.	
Voltage Resolution:	0.1 mV	0.5 mV	1.0 mV			
Calibrated Accuracy:	±0.0	05% FSR at 25%	C			
Input Impedance:	125kΩ		Calibration:	Digital calibration through software		
Overload Protection:	±50 V, indefinitel	у		Calibration Date:	Automatically recorded within device	
Analog Conversion Time:	150 ms			Battery Type:	3.6V lithium battery included; user replaceable	
Frequency Rejection:	50/60Hz				10 years typical at a 15 minute reading rate	
Reading Rate:	4 readings every every 24 hours	second up to 1	reading	Volt101A		
Memory:	 1,000,000 read memory wrap 330,000 reading 	5.	5		K films	
Wrap Around	Yes			Battery Life:	8000	
Start Modes:	Immediate stateDelay start upMultiple push	to 18 months	р		26.00	
Stop Modes:	Manual throuTimed (specifi	c date and time			0.00 0.01 0.10 10.00 100.00 1000.00 Reading rate (minutes)	
Multiple Start/Stop Mode:	Start and stop th without having t communicate wi	o download dat		Data Format:	Graph display of the device recording in a 25 °C environment. Date and time stamped V, mV, µV, engineering units specified through software	
Multiple Start/Stop Mode Activation:	 To start the device: Press and hold the pushbutton for 5 seconds, the green LED will flash during this time. The device has started logging. To stop the device: Press and hold the pushbutton for 5 seconds, the red LED will flash during this time. The device has stopped logging. 			Time Accuracy:	±1 minute/month (at 25 °C, stand alone logging)	
				Computer Interface:	USB (interface cable required); 115,200 baud	
				Operating System:	XP SP3/Vista/Windows 7/Windows 8 MadgeTech Software 2.03 or higher required	
				Operating Environment:	-40 °C to +80 °C, 0 %RH to 95 %RH non-condensing	
				Dimensions:	1.4 in x 2.1 in x 0.6 in (35 mm x 54 mm x 16 mm)	
Deal Time Desculture	Time Recording: The device may be used with PC to monitor and record data in real time		Weight:	0.9 oz (24 g)		
Real Time Recording:			Materials:	ABS plastic		
Alarm:	User selectable h LED for alarm an		its; blinking	Approvals:	CE	
LED Functionality:	 15 seconds to mode - standb Red LED blink 10 seconds to i memory 	indicate logging indicate delay or y (waiting to sta	manual start rt) ry and/or	CHARGE, FORCE OVER DISCHARG BATTERY MAY LEAK OR EXPLODE *SPECIFICATIONS ARE SUBJECT TO	SION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, SE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. IF HEATED ABOVE 80 °C (176 °F). O CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REM- 03-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.	

ORDERING INFORMATION

NODEL	DESCRIPTION	Tem
VOLT101A-2.5V	2.5 V Voltage Data Logger	
VOLT101A-15V	15 V Voltage Data Logger	OUR OTHER DATA
VOLT101A-30V	30 V Voltage Data Logger	LOGGERS Shu
IFC200	Software, manual and USB interface cable	Pulse/Eve
Calibration	Calibration Certificate available for data logger	Cur Volt
LTC-7PN	Replacement battery for Volt101A	Wire
	I	Spectral

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com



