

## Voltlogger - Data logging Battery Voltmeter CTL-100



The Voltlogger is a digital microprocessor controlled battery test instrument that replaces the traditional, potentially inaccurate, 'paper and pencil' methods typically used during battery maintenance. The unit can be clipped to your belt, giving 'Hands free' operation.

The Voltlogger has been specifically designed for the standby battery test industry. The user simply has to connect the standard fused probes to the cell to be measured and the internal microprocessor takes over - measuring, displaying and storing the cell voltage in about a second. An audio signal indicates that it's ready for the next cell. In the stationary (standby) mode the user can measure up to 2,048 readings of cell voltage. These are stored in 8 separate data strings of 256 readings, denoted by strings A through to H. In the motive power mode, up to 960 readings are stored in 20 strings of 48 readings, denoted by strings A through to T. The stored readings can be later downloaded to your PC via a standard RS-232 interface. It's that simple.

The supplied software is also fully compatible with the Hydrostik automatic microprocessor controlled digital hydrometer / thermometer.

### System Features & Benefits

- **+** **Float Voltage Readings**  
*Over 2,000 readings of cell voltage via microprocessor control.*
- **+** **Ease Of Use**  
*Automatically stores the cell voltage and increments to the next cell in about a second.*
- **+** *Data downloads on to your PC via included software package.*
- **+** *Backlit power conservation LCD Display.*
- **+** *Can be used on Lead Acid or NiCad cells.*
- **+** **Accurate**  
*Fast & accurate, providing mill volt resolution.*
- **+** **Auto Ranging**  
*String, cell number and voltage stored at the same time.*
- **+** **Safe**  
*Splash-proof membrane keypad with separate controls for ON / OFF and UP / DOWN keys.*
- **+** **Data Extraction and Analysis**  
*With the supplied Windows based Winmeter software package the stored stationary and motive power mode data is analysed and presented in easy to read graphical format, on any compatible PC.*

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### Hardware Specification

- **+** **Cell Configurations:**  
Lead Acid 2, 4, 6 or 12 Volt, or NiCad.
- **+** **Voltage Measurement Range:**  
-19.999 V dc to + 19.999 V dc.
- **+** **Voltage Accuracy:**  
+/- 0.005 V dc.
- **+** **Cell Voltage Resolution :**  
1 mV dc.
- **+** **Operating Temperature Range :**  
0 to +45 degrees C.
- **+** **Memory Capacity:**  
3008 readings of Cell voltage  
(Separated into 8 strings of 256  
AND 20 strings of 48 cell/blocks )  
Up to 10 years memory retention  
(With batteries removed).
- **+** **Display:**  
*Power conserving LCD  
1 Line x 16 Characters.*
- **+** **Computer Interface :**  
Half -duplex RS-232C.
- **+** **Standard Software:**  
*Winmeter Windows 9x based  
programme enables stored data to be  
analysed and/or loaded directly into  
EXCEL or LOTUS format.*
- **+** **Power Requirements:**  
*One 9 Volt Alkaline Battery.*
- **+** **Weight :**  
*Instrument only 350 gm  
with Padded Carry Case 600 gm  
with Robust Carry Case - app 1.5 kg  
(Space for Hydrostik Digital  
Hydrometer/Thermometer included,  
total  
then app 2kg).*
- **+** **Dimensions:**  
*Instrument only 150 x 100 x 35 mm  
app  
With Padded carry case 160 x 200 x  
75mm  
App  
With Robust, Hydrostik  
accommodating  
case, (ext dims) 390 x 330 x 90mm  
app.*
- **+** **CE Marking compliant.**

