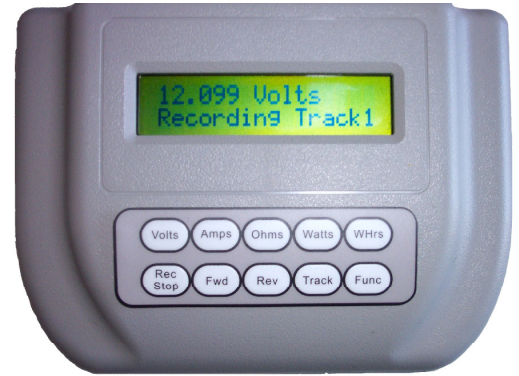




Smart Meter - Data Logger Quick Look

The Smart Meter – Data Logger is a unique electrical measurement tool. It measures voltage, current, resistance, power and energy – all at the same time. It can also record (datalog) these data for later playback and analysis. Everything is displayed on the LCD screen.



Plus, it can be interfaced to a computer for real-time data plots in full color. It can even plot previously recorded data.

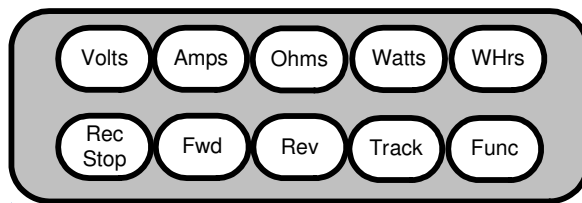
Power comes from either the computer's USB port or from an internal 9-volt battery. It can be used indoors or outdoors to display and record your renewable energy experiments.

Attach your power source and load to the Input and Output terminals on the back. Now you're ready to view and record voltage, current, resistance, power and energy with no complicated hookups or meter dial adjustments. Just push the buttons for any of these readings.

The Smart Meter's power is in its simplicity!

General Specifications

- 0 – 28 VDC Maximum Input Voltage
- 0 – 1 amp Maximum Input Current
- Simple 2-terminal Input and Output terminals on the back for hookups
- Battery – USB switch for power on the back
- 2-line, 16 character LCD screen
 - Top line – voltage, current, resistance, power, energy (watt-hrs and watt-sec)
 - Bottom line – Recording and viewing data + stopwatch, date & time, battery volts
- Membrane keypad
- Top Line – Push any key for the appropriate electrical data display
- Bottom Line – Rec-Stop key to record electrical data in up to 10 Tracks for later analysis
Fwd-Rev keys to scan through recorded data or set date & time
Track key selects recorded sampled data for viewing on LCD or computer
Func key to set date & time, start-stop stopwatch, view battery voltage



- USB interface for DC power and computer data display ->
- Built-in real-time clock for recording data samples + stopwatch
- Data recording capability
 - Total 2730 sample memory for data storage (non-volatile)
 - Ten Track Memories – record data like recording music
 - Selectable 1 second to 99 second data samples
 - 45 minutes of sample time @ 1 second samples
 - 3 days, 7 hours and 41 minutes of sample time @ 99 second samples

