Nano-Cube V1 User Manual

Product Description:

The Nano-Cube is a general-purpose watt meter for low-current applications. It measures current draw, voltage and accumulated amp hours for a certain battery pack. The amp hour measurement saves continuously, so you can use a battery on several different occasions, while still tracking its total capacity expended in non-volatile memory. When a battery is recharged, the Nano-Cube can be reset, zeroing the internal amp hour count. The product can be used for voltages between 4 and 10V (resolution of 0.01V), with currents between 0 and 10A (resolution of 0.01A).

Installation:

Installation of the Nano-Cube is simple. Remember that the Nano-Cube will be damaged if correct polarity is not observed, and for proper current readings, make sure to connect the load to the *OUTPUT,* and the power source to the *INPUT.*

1. Connect the *INPUT* connector of the Nano-Cube to the power source of your system (battery pack).
2. Connect the load to be measured to the *OUTPUT* connector.

General Use:

1. On power-up, the Nano-Cube tests the display sections by reading "BBB" for a few seconds.
2. To change modes, simply press the push-button. The modes are:
    DC Voltage - "DCV"
    DC Current - "DCA"
    Amp Hours - "AH"

3. To clear the AH indicator, hold the button down as the Nano-Cube powers up. Keep holding, and "CLR" will appear on the display. Keep holding the button down until the display goes blank, and the counter is reset.

Example Readings:

Below are some examples of readings the display might read, and what they would mean.

DC Voltage - "DCV"

"5.61" = 5.61V at the *INPUT*

DC Current - "DCA"

"0.03" = 0.03A (30mA) going through the *OUTPUT*
"0.71" = 0.71A (710mA) going through the *OUTPUT*
"3.49" = 3.49A (3490mA) going through the *OUTPUT*

Amp Hours - "AH"

"0.03" = 0.03Ah (30mAh) expended through the *OUTPUT*
"0.12" = 0.12Ah (120mAh) expended through the *OUTPUT*
"2.76" = 2.76Ah (2760mAh) expended through the *OUTPUT*

Questions or Problems?

Contact us for quick and friendly support!

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