



Enclosed version shown

◆ 24 Month Warranty

Self powered from input voltage
DC/DC Current Transducer eliminates need for shunt

2x 16 character LCD display
DC input from 8V to 150V nominal
DC current up to 60A

Bi-directional current sensing: e.g. can show battery charge AND discharge current
Flexible mounting options

The Snaptec Digital Voltage and Current Meter is a logical additional option to the SR Series or other products requiring display of voltage and current status.

This product was developed not only as an option for our own products, but as a useful accessory for almost any DC application. The meter can be panel or DIN rail mounted, or incorporated into our 2RU x 19" rack mount enclosure.

SPECIFICATIONS

ELECTRICAL

Inputs:	
Voltage	8 - 150V DC
Current	0 - 60A DC
Voltage resolution	± 1 digit or ±1%
Current Resolution	± 2 digit or ±5%
RS232 Data out	The meter provides a (non-isolated) RS232 output for remote monitoring and logging of the measured voltage and current. The meter will send at the specified interval a data packet as per display. The meter will respond to commands from a host computer to change the sample rate (currently 10sec, 1min, 5min).
Communication settings	9600 baud (factory default) , 8 data bits, 2 stop bits, no parity.
RS232 Data cable	9pin female connection: pin 2 > TX, pin 3 > RX, pin 5 > GND
Software	For the purpose of a simple remote display or data logging into a file for later analysis a program like Microsoft® Terminal can be used.
Remote display	Available using a radio link or hard wire (hard wire limited to approx. 10m)

PHYSICAL

Inputs	Two wires for voltage and DC load wire through current transducer
Mounting Options	<ul style="list-style-type: none"> Enclosed for DIN Rail mount or free-standing Unenclosed for DIN rail mounting in equipment box or 19" rack mount module
Dimensions (boxed)	92mm W x 64mm L x 40mm D.
Indicators	2x 16 character LCD display

ENVIRONMENTAL

Operating temperature	0 to 40° C ambient
Storage temperature	0 to 50° C
Humidity	0 to 95% relative humidity non-condensing

ORDERING CODES

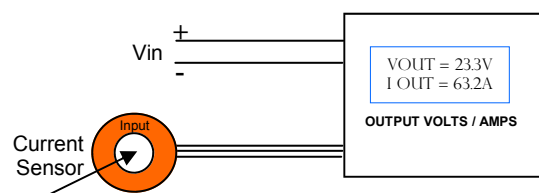
MODEL	ORDERING CODE
Enclosed version	F+METER
Meter only (unenclosed)	SR-METER

RACK MOUNTED VERSION



Meter shown mounted in a 19" sub rack with DC power supply unit

INSTALLATION INSTRUCTIONS



The current carrying positive conductor is passed through the core of the current sensor, from the side marked 'Input'. The measured voltage is also the operating supply.