

Cycle Analyst 2

The ultimate eBike & EV Computer



*TOTAL ENERGY & BATTERY MONITORING * TRIP LOGGING *
SPEED AND POWER CONTROL * BACKLIT LCD * WATER
RESISTANT * WIDE VOLTAGE RANGE * VOLT & AMP METER
* FLEXIBLE SPEED INPUT * USB / GPS OPTIONS * DIRECT
PLUGIN & STAND ALONE MODELS * PLUS MORE*

WHAT it Measures & Analyzes

Volts, Watts, Amps: The instantaneous electric power being drawn from the battery.

Amp-Hours, Watt Hours: The net energy that has been pulled from the pack since the meter was reset. The accumulated amp-hours let you know the remaining energy in the battery pack with far greater accuracy than a voltage or LED indicator.

Speed, Distance, Time: All of the basic features of a bicycle computer, including the average and maximum trip speeds, plus a total distance odometer.

Regen, Wh/km: There are several quantities this meter will calculate that you don't get with other instrumentation, such as the % extra range that was gained from regenerative braking, as well as the vehicle's average energy use in Watt-hours per kilometer or mile.

Peak Currents and Voltage Sag: Records the maximum forwards and regenerative currents as well as the minimum voltage on the battery pack.

Total Battery Cycles and Amp-Hours: Retains life cycle information on the vehicle's battery pack, such as how many charge and discharge cycles the pack has experienced and the total amp-hours that were delivered over its entire life.

Control & Expansion Features

A 0-5V output control typically for **Throttle or Cruise control**

An Analog input is also available & an ever growing list of interconnects

SPECIFICATIONS

Voltage Range	15-100V Standard, 11-300V optional
Voltage Resolution	0.1V
Current Draw	7mA
Current Range	±200 mV/Rshunt. For instance, with a 2mΩ sense resistor, the maximum current is 100 amps. With a 0.5mΩ resistor, up to 400 amps, and so forth Current Resolution 0.01A in low range mode, 0.1A in high range mode
Current Accuracy	Temperature coefficient and accuracy depend on the shunt and calibration. With pre-calibrated Stand Alone model, it is within 2% ± 0.06A
Trip Ah and Wh	Up to 1999 Ah and 19999 Wh in low range mode, and 10x this in high range mode.
Trip Distance	Up to 1999 km or mi. Odometer rolls over at 99999 km or mi
Wheel Size	0 to 9999 mm
Speed Range	Up to 600 kph or mph, there is an upper limit of about 1kHz for the speed sensor input

Sales & Service available at



TERRAQUEOUS
Electronics & Services Ltd.

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Unit G BSMT 2030 Douglas. Access off Pembroke
Victoria BC cam@tqelx.com (250) 480-0260

More info at eBikes.CA or TQELX.COM