

1. PSU Base Power/Energy Meter

The Power Energy Meter uses a large backlit display which displays four important parameters.

- The voltage across the load (V)
- The current flowing through the load (A)
- The power dissipated by the load (W)
- The amount of energy converted by the load (Wh)

A low voltage power pack that accepts input voltages in the range 6.5-100V d.c. The load (which may draw up to 20A) is connected to the load terminals.

Code	Pack	Price
EDU2118	Each	£63.55

2. SEP Energy Meter

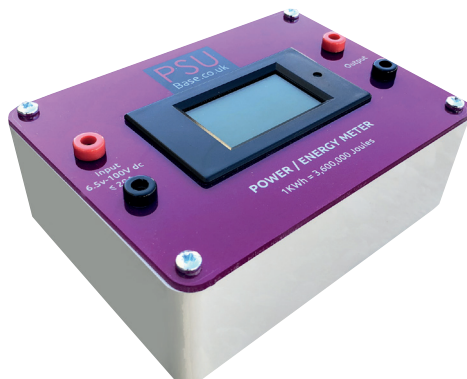
Building on the success of the original SEP energy meter, this USB version boasts datalogging and an improved specification:

- Current range: $\pm 7A$ (current can flow in either direction)
- Voltage range: $\pm 25V$
- Log memory: 2500 samples
- Log sample period: 1, 2, or 4 seconds
- The meter can be powered over USB or using a 5V mains adaptor (included)
- The SEP energy meter can still be used without a computer

Designed to be simple enough for KS3 students to use, and flexible enough for more advanced use at KS4 and beyond. It just requires a supply and a load to be plugged into the meter, for example, a solar panel and a motor, and the meter will display the values of the power and the energy transferred. For simplicity, the instrument automatically adjusts the display to show suitable units and an appropriate number of decimal places so that it can deal with a very wide range of values (e.g. for energy, from 100nJ up to 1.75MJ).

Code	Pack	Price
★ SESEP044	Each	£73.33

1 PSU Base.co.uk



2 MIND



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