



Measurably better value

precision measurement - **Source Measurement Units 23.****SMU4001 Series**

- ▶ 4-quadrant Source & Measure
- ▶ $\pm 210\text{V}$, $\pm 3.5\text{A DC}$, $\pm 10.5\text{A pulse}$
- ▶ 1ppm resolution, $0.1\mu\text{V}$ & 1pA
- ▶ High speed arbitrary modes

Full details are available
on the website.

Advanced Source Measure Units

The SMU4001 provides class leading performance at a new and affordable price point for a four quadrant SMU.

Combining a highly responsive touch screen technology with an intuitive graphical user interface providing a clear and natural flow through the test and measurement process, allowing the user to focus on the task at hand.

The SMU4001 integrates a fast and agile, high power four quadrant PSU and advanced precise digital multimeter. Capable of precisely supplying positive and negative voltages, source or sink power, while simultaneously measuring both current and voltage, with it's non-invasive rangeless operation giving optimal results.

With higher current and power combined with greater measurement speed than competitors, it is the ideal solution for educational environments as well as industrial development, identifying the SMU4001 as the all in one solution for simplifying test applications such as battery charging/discharging, I-V characterising, semiconductor testing and much more.



**Coming
Soon**

- ▶ Four quadrant source and measure unit
- ▶ 4.3" color touch screen user interface for numeric and graphical results including XY (eg. VI) plot and Yt (trend) plots
- ▶ ± 210 volts and $\pm 3.5\text{A}$ continuous or $\pm 10.5\text{A}$ pulsed
- ▶ 45 watts continuous loading and up to 600 watts pulsed
- ▶ Rangeless operation over $0.1\mu\text{V}$ to 210V and 1pA to 10.5A
- ▶ Built-in unit linking for up to 5 channel operation
- ▶ High speed sweep stepping up to 100k steps at 50k steps/sec.
- ▶ Precision measurement of voltage, current, resistance and power.
- ▶ $6\frac{1}{2}$ digit resolution meter with 0.012% basic accuracy
- ▶ 18 bit digitised measurements at up to 100k readings/sec.
- ▶ Internal memory for up to 2M measurements or 250k steps
- ▶ USB host interface for extended memory and data transfer
- ▶ Advanced script language enabling complex test scenarios
- ▶ Compact half rack 2U casing for bench or system use
- ▶ 8 general purpose I/O lines for triggering and synchronisation
- ▶ High speed GPIB, USB and LXI compliant LAN interfaces



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