

SMU4000 SERIES

Source Measure Unit

HIGH PERFORMANCE COMPACT SMU

4-quadrant Source, Sink & Measure

0.1µV & 100fA, 6½ digit resolution

Continuous or pulsed high speed outputs with Linear/Log or arbitrary list sweeps

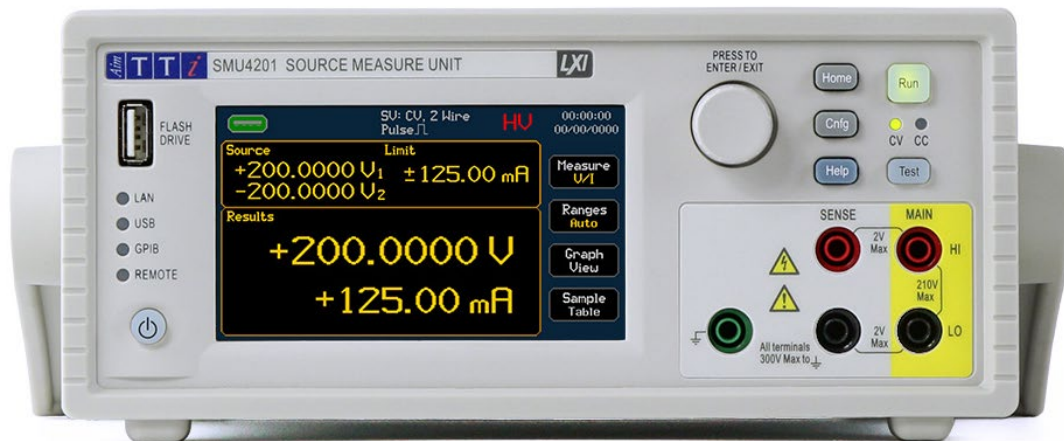
Compact size (A4 footprint)*

Powerflex technology
±200V / ±20V, ±3A, 25W

Fast measurement speeds
up to 200µs (5k/s)

Internal memory, up to 100k
measurements, up to 100k steps

'SMU Link' allows two SMUs
to be linked together and
controlled simultaneously



* Bumpers removed.



**GPIB Optional

OVERVIEW

The SMU4000 Series provides class leading performance at a new and affordable price point for a four quadrant SMU. Combining touch screen technology with an intuitive graphical user interface provides a clear and natural flow through the test and measurement process.

SIMPLIFYING TESTS

With high current and power combined with fast measurements and low glitch auto ranging speed, it is the ideal solution for industrial development as well as educational environments, identifying the SMU as the all-in-one solution for simplifying test applications such as battery charging/discharging, I-V characterising, semiconductor and material testing.

UNIQUE POWERFLEX DESIGN

The Aim-TTi PowerFlex system provides a semi constant power characteristic so that the current capability rises as the voltage falls. The SMU achieves full instrument output power across the majority of the voltage range, unlike conventional SMUs where the maximum power can only be achieved at the top of each voltage range.

ADVANCED SWEEP ENGINE

As well as a high precision DC and pulsed source and measure capabilities, the SMU4000 Series has a built-in sweep functions including: Constant and pulsed sweep operation, double sweep functions and linear & logarithmic. Arbitrary list sweeps of up to 100k points can be directly uploaded to the instrument via the flash drive.

GRAPHICAL RESULTS

A graphical representation of the buffered measurement results can be viewed and explored on screen using the advanced graph menu. Voltage or Current data can be viewed as voltammograms for producing I-V curves and YT graphs to analyse a primary measurement against time, in a linear formats.

TEST BRIDGE SOFTWARE

Includes Test Bridge SMU: A downloadable software program that provides full programmable control of multiple SMU's alongside additional enhanced features.

| Model | SMU4001 | SMU4201 |
|-------------|---------|---------|
| Max Voltage | ±21V | ±210V |
| Price | £2850 | £3850 |