

# IC200

## Parametric Tester with up to 128 SMU's

The IC200 is an automatic, multi-channel, parametric test system for DC analysis of integrated circuits. Base tester comes with a 4-channel VI-Source board, and is expandable to 128 channels.

This tester is the ideal replacement for the common rack-and-stack systems that run multiple SMU's through a relay matrix to the Device-Under-Test. The IC200's source-per-pin architecture, with a simple programming grid user interface, offers a flexible and convenient way to stimulate and measure the DUT's pins. Setup efficiency is improved, while noise, cable lengths, and costs are minimized.

The IC200 software is a simple GUI (Graphical User Interface) that provides all the necessary functions of a typical integrated circuit test system.

This includes:

- Spreadsheet fill-in-the-blanks programming
- Resource-to-DUT pin allocations using drop-down boxes
- Debugging tools like skipping tests & pausing on a test
- Datalogging & summary sheets in Excel-compatible format

The programmer's interface is based on the intuitive spreadsheet grid model. This allows fast and simple program generation and debugging. Cut-and-paste functions are used to churn out similar tests in seconds. Details are hidden, but easily accessible by simply double-clicking the spreadsheet cell. This opens the appropriate dialog box.



### APPLICATIONS:

- Opens/shorts/leakage
- DC functional testing
- Device characterization
- QA, reliability & process control
- Engineering lab instrumentation
- Curve tracing

### FEATURES

- Dual 10V, 5A VI-sources
- Quad boards (QVI): +/-20V, +/-200mA max
- 16-bit DAC's & ADC's
- ATE grid programming plus optional curve-tracer