

## Ambient Light Sensor and Proximity Sensor Tester

The IC100-A is a special-purpose tester that is configured from the basic IC100-S. Most modern Ambient Light Sensors include an I<sup>2</sup>C port to read and write the internal registers.

The IC100-A includes an infrared transceiver for proximity testing. This system is built specifically to test these types of devices at the fastest possible production throughput.

### FEATURES:

- External Optics Module with visible light LED's for up to 1000Lux (250KLux optional)
- Optics also has Infrared LED & Photodiode with amplifier for PX sensing
- Sync circuit catches DUT's IR pulses for peak measurements
- Optional custom loadboards available for virtually any special requirements

### INSTRUMENTATION:

- 2 or 4 VI-Sources: Kelvin, 4-Quadrant, +/-20V, +/-200mA
- I<sup>2</sup>C Serial Interface to 3.4MHz: SCL & SDA
- SPI Serial Interface to 20MHz: SCK, MISO, MOSI, CS, CS/
- 24-bit ADC, with 4-input multiplexer
- Up to 32 Independent, User-programmable Relays
- 5 User-defined 16-bit DAC's, +/-10V at +/-20mA max

