

Chroma 11300 bias current test system is an integration test system of LCR Meter and Bias Current Source.

It consists of Chroma 3252/3302 series Automatic Component Analyzer and Chroma 1320 series Bias Current Source. The Chroma 1320 series bias current source output can be controlled by Chroma 3252/3302 LCR meter directly. The bias current output capacity can be selected up to 300A to satisfy various testing in R&D, QC, QA, and production applications.

The connector between bias current sources is low ESR (<10m ohm) design to reduce heat effect and get more accurate measurement result. The multi-function four terminal test fixture supports various DUT, include SMD DUT and DIP ring core DUT.

This system provides power choke characteristic sweep graph analysis through Windows® base software or sweep function of the meter. The bias current scan triggered automatically or manually can analyze the iron core characteristics in inductor for quality inspection and product feature analysis. The Chroma 11300 is a just right test solution for magnetic choke and core used in various power supply.

ORDERING INFORMATION

- 11300** : Bias Current Test System
- A113008** : Four terminal test fixture for DIP 100A
- A113009** : Four terminal test fixture for SMD 60A (combined with A113008)
- A113010** : Four terminal PCB for SMD 100A (combined with A113008)
- A113012** : Vacuum Generator for A113009
- A113014** : Vacuum Pump for A113009
- A113017** : LCR Analysis Software
- LCR Meter** : Refer to 3252, 3302
- Bias Current Source** : Refer to 1320, 1320S
- A800004** : 19" rack 20U/35U/41U for Model 11300

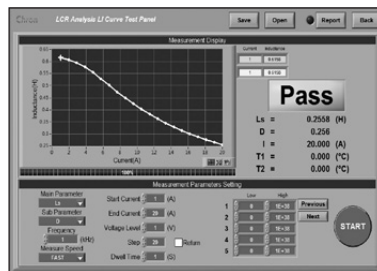
300A

KEY FEATURES

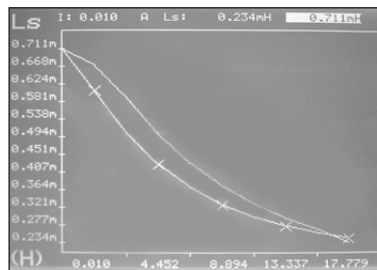
- High efficiency, forward / reverse current switching capability and sweep function
- High stability, frequency response from 20Hz to 1MHz
- High accuracy, 3% output current accuracy
- Expansion capabilities, up to 300A
- Vertical design, easy to maintain
- Flexible modular test system
- Multi-channel intakes in the front panel of rack and multi-fans exhausts in the back of rack
- Multi-function four terminal test fixture
- Low ESR (< 10m ohm) design for connectors between bias current sources
- Windows® based software



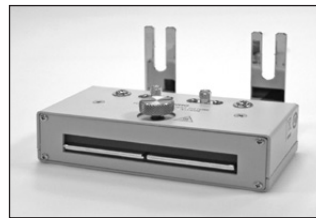
19" Rack 20U for Model 11300



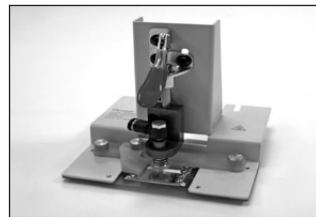
L-I Curve Software



Graphical Bias Current Characteristic Analysis



A113008 :
Four terminal test fixture for DIP 100A



A113009 :
Four terminal test fixture for SMD 60A (combined with A113008)

| SPECIFICATIONS | | | | | | |
|----------------------------|---------------------|-------|--------|--------|--------|-----------|
| Model | 11300 | | | | | |
| Output Bias Current | 20A | 40A | 60A | 80A | 100A | 100A~300A |
| LCR Meter | | | | | | |
| Model 3252/3302 | • | • | • | • | • | * |
| Bias Current Source | | | | | | |
| Model 1320 | • | • | • | • | • | * |
| Model 1320S | | 1 Set | 2 Sets | 3 Sets | 4 Sets | * |
| General | | | | | | |
| 19"Rack | 20U | | | 35U | | * |
| Power Requirements | 180~264Vac, 47~63Hz | | | | | * |

* Call for availability

All specifications are subject to change without notice.

Video & Color
Flat Panel Display
LED/ Lighting
Optical Devices
Photovoltaic Test & Automation
Automated Optical Inspection
Power Electronics
Battery Test & Automation
Passive Component
Electrical Safety
Semiconductor/ IC
PXI Test & Measurement
General Purpose
Intelligent Manufacturing System
Turnkey Test & Automation