



IGBT Static Test System

- Gate leakage current ●
- Collector cutoff current ●
- Collector-emitter voltage ●
- Threshold voltage ●
- Saturation voltage drop ●
- Pre-pinch off voltage ●
- Diode voltage drop ●

Summary

MX300S IGBT Static Test System is an automated test equipment for evaluating the static characteristics of IGBT. Composed of high voltage power supply, fixture unit, measuring unit, control unit, pulse current source and supporting test instruments. With software independently developed by Kewell, the system provides a stable and precise platform to test the static characteristics of IGBT.

Advantages

Multi-scale measurement circuit. Significantly improved signal detection accuracy.
 Test Package Compatibility: Maximum of 8 channels for automated test
 High precision digital measurement.
 Reasonable working temperatures of constant temperature plate: Ambient temp. ~200°C.
 Independently developed relay module. Longer service life and speed up the test.
 Available with scanners and PN codes registration. Automated generation of test reports.
 Real-time monitoring. Work steps and protection variables can be set. Simple and convenient.
 Comprehensive data recording and analysis system.

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Specifications & Parameters

MX300S-2000-3000		
Output	Voltage range	50-2000V
	Voltage precision	0.1%FS
	Voltage resolution	0.1V
	Current range	50-3000A
	Current precision	0.1%FS
Parameters	Current resolution	1A
	Working mode	Laboratory mode/Production mode
	Positive & negative gate voltages	5~±100V
	Gate voltage precision	0.2%±0.1%rate
	Gate voltage resolution	0.01V
	Substrate temp. range	25~200°C
	Substrate temp. precision	0.5%FS
Reserved Interface	Substrate temp. resolution	0.1°C
	Fixture (adapter)	Customize according to IGBT models
Communication	Frequency	50Hz±5Hz
	Human-computer interface	LCD
	External communication	LAN
	Protection level	IP21 (indoor)
Specifications	Dimensions	1600mm (D) × 1300mm (W) × 900mm (H)
	Ambient temperature	25~40°C

Software Interface

Customizable parameters that meet the versatile test demands of R&D. Test items can be edited and imported under production mode, highly efficient and convenient for production tests. Real-time display and recording of data and waveforms during the test. Automated generation of test reports.

