

SYS-10000B | 8-Channel Version

Custom Multi-Channel High-Voltage Insulation Testing System

8	10 kV	960	1
test channels	guaranteed upper range	pcs/hour, up to	operator



Positioning

A production-oriented 8-channel high-voltage insulation testing system for insulated hand tools and other qualified products requiring repeatable, fixture-based dielectric testing. The system combines multi-channel testing, a single-operator workflow and optional data-management functions. Fixtures and workflow can be engineered around the customer product and inspection requirement.

Key Features

- 8 independent test channels for parallel production testing.
- Production capacity up to 960 pcs/hour under the stated standard production setting (30 seconds per cycle).

- AC 100-10,000 V configurable test range; guaranteed test range AC 1,000-10,000 V.
- 0.001 microampere current display resolution for detailed leakage-current observation.
- Semi-automatic, one-operator workflow designed to improve repeatability and reduce manual handling errors.
- Custom fixtures available according to product geometry, test position and process requirements.
- Optional database, statistics, analysis and permission-control functions support traceable quality records.

Technical Specifications

Specification	Value
Model	SYS-10000B
Configuration	8 channels
Test method	High-voltage AC insulation / dielectric testing
Voltage setting range	AC 100-10,000 V
Guaranteed voltage range	AC 1,000-10,000 V
Current display resolution	0.001 microampere
Standard test time	10 seconds; adjustable
Standard production cycle	30 seconds per cycle; adjustable
Production capacity	Up to 960 pcs/hour under standard production settings
Operator requirement	1 operator
Fixture	Custom-designed for the customer product and test position
Power / dimensions / weight	Project-specific; confirm in final quotation and approved configuration

Software Features

- Multi-specimen real-time test-value display
- Test-standard and parameter settings
- Test-result statistics and data analysis
- SQL database retrieval and historical record search (optional)
- Role-based account and permission management
- Additional language support available by project