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TECHNOLOGY GROUP

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The Wayback Machine - https://web.archive.org/web/20121117081703/http://www.inttechcorp.com:80/Test_Equipment/IT…

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Specifications

ITC5730 Dynamic Parametric Test System



The ITC5730 Dynamic Parametric Test System mainframe accepts Test Heads that perform nondestructive transient measurements on semiconductor devices such as Insulated Gate Bipolar Transistors (IGBT), power MOSFETs, diodes, and other bipolar devices. Included in the mainframe are all test equipment and software necessary to analyze and perform switching time, switching loses, gate charge, Trr/Qrr, and other transient tests.

Test Heads, which are designed for a specific type of transient test, mate to a special Test Head Receiver on the mainframe. While Test Heads are designed to perform only one specific test, personality boards within each Test Head reconfigure the Test Head for a specific device, device package, and various device circuit arrangements.

Capabilities

- Test voltage: maximum of 600 Vdc at 150 A
- Timing Measurement: minimum of 1 ns
- Drain Current Limit Monitor

Options

- Scope Substitutions
- Function Generator
- Input AC Power
- Additional Power Supplies
- Additional Test Heads
- Large Package Adapters

Test Heads

- ITC5721 - Switching Time for N- and P-channel Power MOSFETs, MIL-STD-750, Method 3472
- ITC5722 - Trr/Qrr for power, MOSFETs and Diodes, MIL-STD-750, Method 3473
- ITC5723 - Gate Charge for power MOSFETs,MIL-STD-750, Method 3471

System Features

- Easily Changeable Test Heads
- Automated Testing at Different Parameters
- Ruggedized PC Compatible Computer
- User-Friendly Menu Driven Software
- Programmable Test Output Bins
- Spreadsheet Compatible Test Data
- Selectable Internal Inductance Loads
- GPIB Programmable Test Equipment
    - Tektronix TDS340A Digitizing Oscilloscope
    - HP8112A Pulse Generator
    - EMI TCR600S1.6 Power Supply

Safety Features

- Test Head High-Voltage Interlock
- Receiver High-Voltage Interlock
- High-Speed Drain Supply Switch

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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