



FIRE TESTING EQUIPMENT FOR ELECTRICAL / ELECTRONIC

Fire Testing Equipment for Electrical / Electronic

ToronFT™ Fire Testing Equipment for Electrical/Electronic series by Torontech delivers a precision-engineered collection of instruments for evaluating the flammability, ignition resistance, and fire hazard characteristics of electrical and electronic components, materials, and assemblies. As global electrical safety standards become increasingly stringent, manufacturers and laboratories require reliable, traceable testing solutions spanning oxygen index measurement to advanced arc ignition and glow wire testing.

This series covers the full spectrum of electrical fire testing — including insulation resistance, leakage current tracking, oxygen index (ambient and elevated temperature), needle flame testing, glow wire testing, arc ignition testing, and plastic burning behavior. Each instrument is designed to comply with IEC 60112, IEC 60695, UL 94, and other critical international standards governing flammability of materials used in electrical and electronic equipment.

Widely deployed by electrical appliance manufacturers, PCB and connector suppliers, component testing laboratories, and regulatory certification organizations, the ToronFT™ electrical/electronic fire testing instruments provide the accuracy and repeatability needed to achieve product approval and ensure end-user safety.

Applications & Industries

- Electrical and electronic component and appliance manufacturers
- PCB, connector, and insulation material suppliers
- Household appliance and consumer electronics OEMs
- National electrical testing laboratories and certification bodies (IEC, UL, CE)
- Automotive electronics — ECU housings, connectors, and wire harness materials
- Industrial control systems — switchgear, relay, and circuit breaker manufacturers
- Telecom equipment manufacturers — fire safety compliance for network infrastructure
- Research laboratories studying polymer and composite material fire behavior
- Quality control departments implementing IEC 60695 and UL 94 compliance programs

Why Choose Torontech ToronFT™ ?

- Complete coverage of IEC 60695, IEC 60112, UL 94, and ASTM D2863 test methods
- Intelligent glow wire and needle flame testers with automated ignition detection
- High-precision oxygen index instruments with digital readout and temperature compensation
- Arc ignition and leakage tracking systems with configurable voltage and current profiles
- Robust, safety-rated enclosures with fume extraction and operator protection features
- Intuitive software interface for test parameter control, data logging, and report generation
- Expert technical support with application specialists in electrical material fire testing
- Calibration traceability to national standards (NIST, PTB, NIM) available on request



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