

JET FUEL THERMAL OXIDATION STABILITY TESTER TORON™ JFTOT



When evaluating the thermal stability of jet fuel, there is no margin for compromise. A reliable, accurate JFTOT test is essential for ensuring safety and performance, from production and refining to tarmac delivery. The Toron™ JFTOT Jet Fuel Thermal Oxidation Tester is engineered to be the definitive instrument for this critical task, delivering unwavering compliance and operational efficiency. Built within an ISO 9000 quality management system, it is designed to meet the rigorous standards of ASTM D3241.

APPLICATIONS

The primary application of the ToronJFTOT™ is to test the thermal oxidation stability of jet fuel, in strict compliance with the ASTM D3241 standard.

This critical test is essential for ensuring the safety and performance of the fuel and is used by:

- Refineries
- Transport authorities
- Aviation labs

The application spans the entire fuel handling process, from production and refining to final tarmac delivery.

FEATURES

Jet Fuel Thermal Oxidation Stability Tester Toron-JFTOT

Automate Compliance, Accelerate Your Workflow

The ToronJFTOT™ is built for the modern lab that demands both precision and productivity. We have automated the most time-consuming and variable-prone aspects of the JFTOT test, allowing your technicians to focus on high-value work.

- **Walk-Away Operation:** A fully automatic test sequence—from sample aeration to system cooling—is managed through an intuitive touchscreen interface. This drastically reduces hands-on requirements and eliminates operator-to-operator variability.
- **Reclaim 40 Minutes Per Test:** By automating manual processes, the ToronJFTOT™ streamlines your workflow, saving an average of 40 minutes of operator time for every single run. In a lab running multiple tests daily, this translates to a significant boost in productivity.
- **Audit-Ready Data:** The system automatically stores all historical data, measurement curves, and operating parameters. This creates a robust, traceable record for easy review and seamless compliance audits.

Engineered for Uncompromising Reliability

Every component of the ToronJFTOT™ is designed for stability and accuracy, ensuring the integrity of your results.

- **Stable Flow, Stable Results:** A precision pump system guarantees stable flow pressure throughout the test, while a sealed sample design reduces fuel exposure and prevents contamination.
- **Intelligent Self-Monitoring:** The system features an automatic error diagnosis and alarm function, ensuring continuous, uninterrupted operation and immediately flagging any potential issues.
- **Flexible for Research:** For research institutes pushing the boundaries of fuel science, the ToronJFTOT™ offers customizable measurement methods to accommodate unique experimental protocols.

Why Torontech? The Clear Choice for Your JFTOT Test.

For refineries, transport authorities, and aviation labs, fuel quality is non-negotiable. The ToronJFTOT™ provides the three pillars of modern testing:

- 1. **Unyielding Compliance:** Full adherence to ASTM D3241 standards.
- 2. **Maximum Efficiency:** Drastically reduced operator time and automated reporting.
- 3. **Guaranteed Reliability:** Precision engineering for repeatable, trustworthy results.

Elevate the standard of your fuel analysis. Contact a Torontech specialist to learn how the ToronJFTOT™ can integrate into your quality control process.

TECHNICAL SPECIFICATIONS

Ambient temperature	10~35℃	Air relative humidity	≤85	Power supply	220V±10%, 50Hz±10%, 0.6kw (110V also available)
Analytical medium	Jet fuel	Coolant flow rate	38±8L/H	Temperature control range	100~380℃
Temperature control accuracy	≤±1℃	Differential pressure transmitter accuracy	Level 0.075	Differential pressure display resolution	0.1mm Hg
Sample flow rate	3ml/min±0.3ml	System operation pressure	3.45MPa±0.345Mpa	Dimension	470*540*860mm 45kg



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