

# THERMAL OXIDATION STABILITY OF AVIATION TURBINE FUELS

## Definitive Testing for Thermal Oxidation Stability!

### Falex 400 Thermal Oxidation Stability Tester

The robust, reliable Falex 400 meets the most rigorous standards set by ASTM Subcommittee D02.J. The compact, user-friendly instrument is built for long intervals of use and years of service. The Falex 400 Thermal Oxidation Stability Tester and Falex Heater Tube Test Specimens meet ASTM D3241 requirements as proven through participation in an ASTM cooperative interlaboratory study. Since its introduction in 2009, The Falex 400 has been the most durable and trusted Jet Fuel Oxidation Tester on the market!

- » Proven design, substantial installed base
- » Guaranteed method compliance with an automatic humidity sensor and automatic aeration
- » Automated sample introduction – Simplified priming with a PROVEN maintenance-free pump
- » Fuel and solvent resistant, industrial color touch screen
- » Extra-large Drierite cartridge resulting in less equipment downtime
- » Built-in, easily stored integral filter funnel holder reduces spills and drips for increased safety
- » Fume absorbing carbon filters with pivoting safety cover to reduce and control vapors
- » Small machine footprint – more benchtop space!
- » Advanced Peltier cooling system for optimal temperature control



### Used in Standard Test Methods

ASTM D3241	Standard Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels
IP 323	Determination of Thermal Oxidation Stability of Gas Turbine Fuels
ISO 6249	Determination of Thermal Oxidation Stability of Gas Turbine Fuels

## Falex 400 Technical Data

### Weights and Dimensions:

Space (LxWxH)	16 x 20 x 30 in 40 x 50 x 76 cm
Estimated Weight	175 lbs. 80 Kg

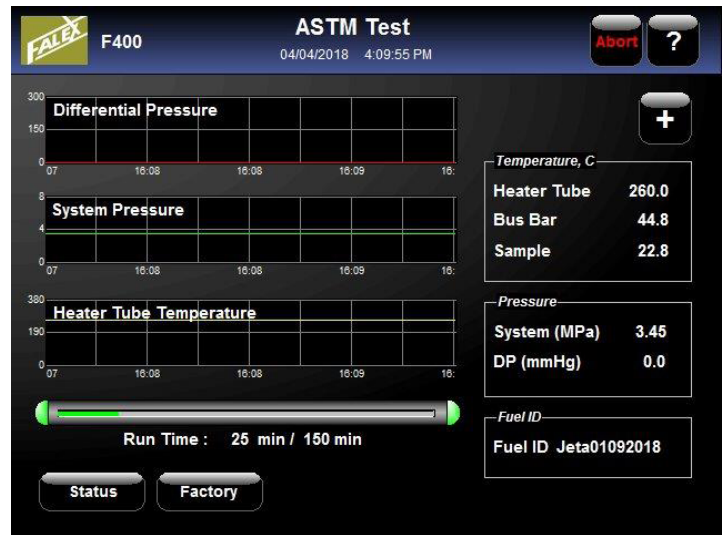
**Test Temperature** 100 – 380°C

**Differential Pressure** 0 – 300 mm Hg

**System Pressure** 3.45 MPa (500 psi) ± 10%

**Interfaces** RS-232, USB (2) and Ethernet. USB is compatible with keyboards, printers, barcode readers and USB drives.

**Power** 115V, 10A or 230V, 5A, 47 - 63 Hz



## Ordering Information

Part Number	Description
400-001-003	Falex 400 Thermal Oxidation Tester, 120V, 60 Hz, includes start-up kit
400-001-004	Falex 400 Thermal Oxidation Tester, 220V, 50/60 Hz, includes start-up kit
<i>Consumables</i>	
400-560-001	D3241 Heater Tube and Filter Kit, 12/pk
400-018-003	Insulation Bushing Set (2 pairs)
620-005-002	Tubing O-Ring (25/bag)
640-400-005	Box of Pre-Filters (25/box)

Falex Corporation follows a policy of continuous product improvement. Specifications are subject to change without notice.

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