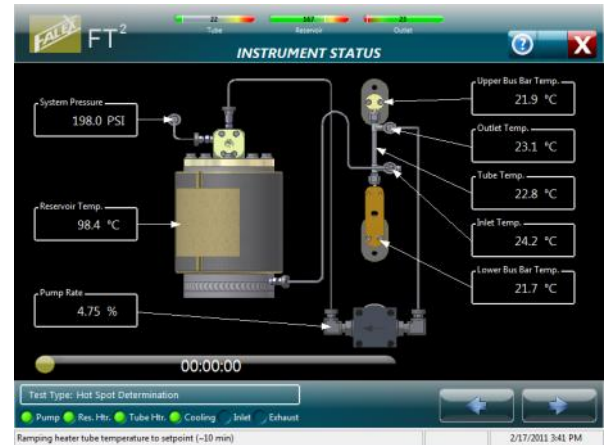


Falex Thermal Fouling Tester (FT²)

- ▶ **Full Data Acquisition and Control**
- ▶ **Automatic Tube Temperature Profile**
- ▶ **Integrated Safety System**
- ▶ **Small and Compact**
- ▶ **Safe and Reliable**

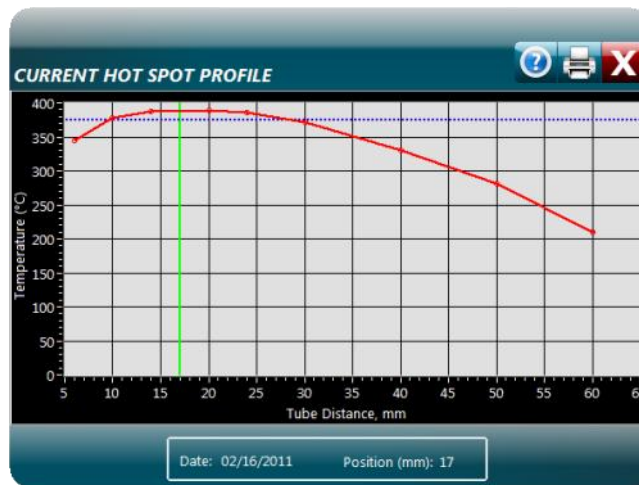


Methods

Conforms to:

- **SAE ARP 5996B**

The Falex FT² is the first instrument designed specifically for the SAE ARP 5996B Evaluation of Coking Propensity of Aviation Lubricants Using the Single Phase Flow Technique Test Method.



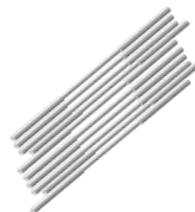
With the features that users have asked for, it's the ultimate in ease of use and fully flexible programmability. At the same time, the FT² gives you convenient, flexible programming along with extensive, customizable safety and shutdown protocols. The FT²'s enhanced hotspot determination and confirmation routines mean

the Falex FT² should be a part of your critical turbine oil analysis laboratory!

Heater Tube Materials

Packed 12 tubes/box.

Part Number	Material
400-560-002	1020 Steel
400-560-003	316 Stainless Steel
400-560-004	304 Stainless Steel
400-560-005	440C Stainless Steel



FT²

with the ultimate performance for turbine oil thermal stability testing

Common Technical Data

Sample Capacity	1 L under system pressure
Fluid Flow Rate	0.55 - 10 mL/min
Test Duration	2.5 - 500 hours
Power	120 or 230 VAC, 50/60 Hz
Dimensions (HWD)	30 x 30 x 22 in, 175 lb 762 x 762 x 559 mm, 79.5 kg
Interfaces	USB, Ethernet
Printer	USB Printer recommended

SAE ARP 5996 System

Temperature Range and Capabilities

Heater Tube	300 - 450°C
Reservoir	100 - 210°C
Pressure	0 - 200 psi (1.38 MPa)

High Performance System

Temperature Range and Capabilities

Heater Tube	300 - 650°C
Reservoir	100 - 210°C
Pressure	0 - 1,000 psi (6.9 MPa)

Ordering Information

Part Number	Description
450-001-001	Falex Thermal Fouling Tester (FT²) Per SAE ARP 5996B, 120 V, 50/60 Hz
450-001-002	Falex Thermal Fouling Tester (FT²) Per SAE ARP 5996B, 230 V, 50/60 Hz
450-001-003	Falex Thermal Fouling Tester (FT²) , High Performance System, 120 V, 50/60 Hz
450-001-004	Falex Thermal Fouling Tester (FT²) , High Performance System, 230 V, 50/60 Hz



Available Options and Spare Parts

Part Number	Description
450-097-004	Heated Test Supply/Return Lines Kit
450-097-005	High Temperature O-Ring kit for 20 tests Includes o-rings for reservoir top, outlet port, pump fittings, line connections and thermocouple connections.
450-097-006	Sight-Glass O-Ring Kit
450-109-006	Remote Emergency E-Stop
450-106-002	Pump Heater Jacket
450-103-008	Heater Tube Thermocouple
450-109-004	Inlet or Outlet Thermocouple
450-097-003	Line connection o-rings (25/pkg)
450-106-001	Replacement Reservoir Jacket
450-200-002	Tube Weighing Kit and Analytical Balance includes certificate, slab, and oven tube holder (400-200-003)
400-200-003	Replacement oven tube holder

Manufactured by



1020 Airpark Drive
Sugar Grove, IL 60554
630.556.3669
630.556.3679 f
Sales@Compass-Instruments.com

Distributed by



1020 Airpark Drive
Sugar Grove, IL 60554
630.556.4835
630.556.3679 f
Sales@Compass-Instruments.com