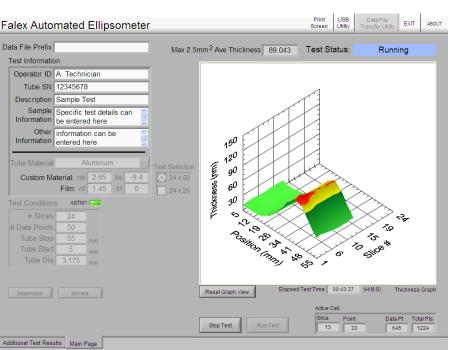


Ellipsometer

Developed in cooperation with leading manufacturers and consumers of jet fuel, the Falex Ellipsometer offers a consistent, precise, analytical measurement of ASTM D3241 Heater Tube deposits.

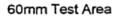


SUITABLE FOR TESTING

- ASTM D3241, Standard Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels (JFTOT Procedure) Heater Tube Deposit Ratings
- SAE AIR5996, Evaluation of Coking Propensity of Aviation Turbine Lubricants Using the Single Phase Flow Technique Heater Tube Deposit Ratings

PASS / FAIL 2.5 mm² Average Film Thickness Determination

- D3241 Darkest 2.5 mm² Rating Color on Strip
- Ellipsometer Uses Equivalent Area Evaluations
- Software Configured for ASTM D3241 Testing
- 5 mm to 55 mm along heater tube
- Historical Ellipsometer Data 85 nm = VTR Value 3
- Software Determination Max Thickness & Location
- PASS or FAIL Notification (Graphic Color Coded)
- Test Report Data and Test Information



2.5mm² Examples Area as square Area as spot Area as streak, 0.8mm wide

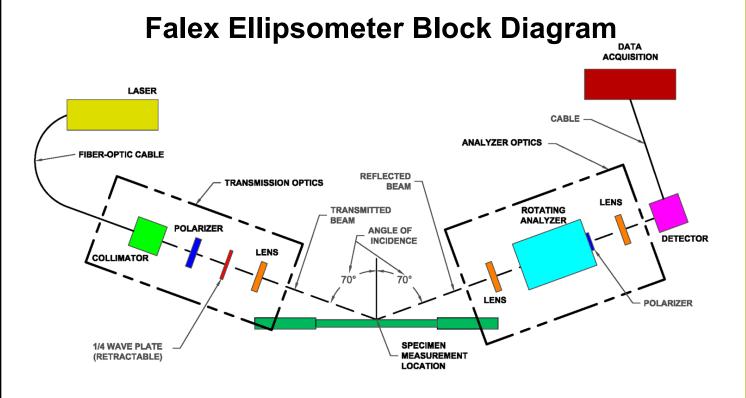


FALEX ELLIPSOMETRIC APPARATUS FOR RATING HEATER TUBE DEPOSITS

Part Number 430-001-001 100 – 240 VAC, 50/60 Hz, 15 amps max.

Fully Automated, laser light source, optical detection system for measuring the film thickness of ASTM D3241 Heater Tube. User selected Express, Detailed, or Custom measurement programs for precise, simple analysis with minimal operator time and interface.





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Part Number 430-001-001 100 – 240 VAC, 50/60 Hz, 15 amps max.

- The laser and all laser paths are fully enclosed in a protective housing designed to prevent human body exposure from the laser path or collateral radiation by beam or reflection exposure.
- The access door is interlocked with redundant safety limit switches to prevent exposure to laser emissions.
- Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50.



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