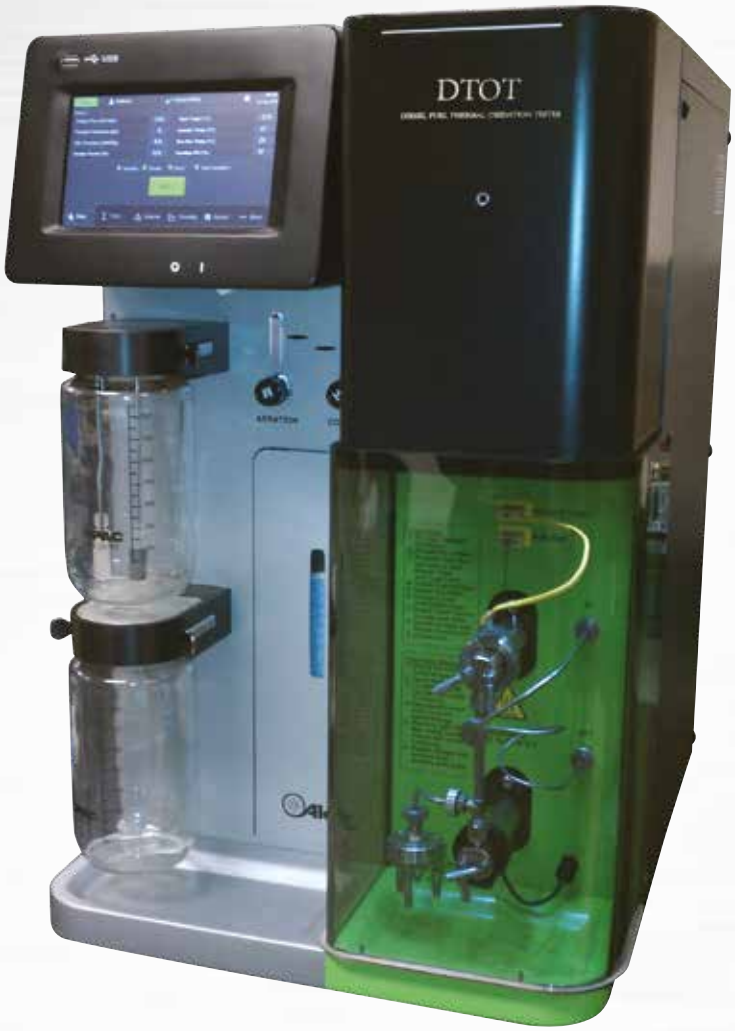
PAC | solid partners proven solutions



DTOT

Complete Diesel and Biodiesel Thermal Oxidation Testing

- Reduced vapor and fuel exposure
- High levels of automation simplify operation
- Reduced user intervention increases lab productivity

DTOT

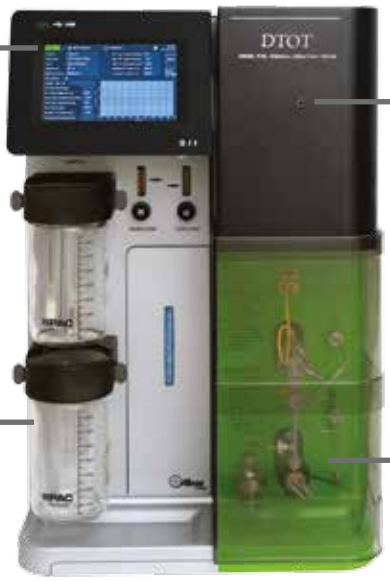
OVER 40 YEARS OF EXPERIENCE WITH THERMAL OXIDATION TESTING

PAC has decades of experience with jet fuel stability and thermo fouling in refineries and pipelines. We applied that knowledge into our new DTOT which is suitable for several blends of diesel fuel like Pure Diesel (B0), Diesel Fuel with 7% FAME (B7) and Diesel Fuel with 20% FAME (B20).

Now you can use JFTOT's proven platform to test thermal oxidation on diesel in a fast and safe way.

SIMPLIFIED OPERATION

High levels of automation and hardware advancements reduce operator intervention by 80%



EASE OF USE

Easy and fast data extraction with the new fully integrated RFID reader/writer for the Intelligent Heater Tubes (IHT)

SAFETY FIRST

Sample and waste containers minimize diesel/biodiesel vapor exposure to operators and to the environment

ENHANCED SAFETY

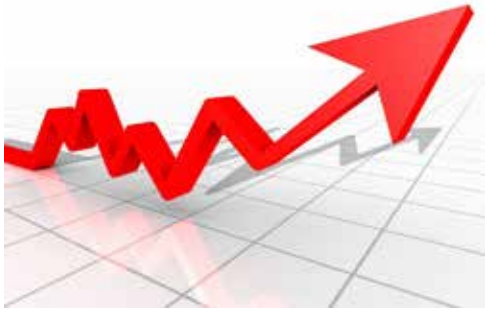
Sliding test door prevents exposure to the hot heater tube test section

KEY ADVANTAGES

INCREASED LAB PRODUCTIVITY

- Design achievements contribute to a significantly faster analysis cycle time
- Provides traceable results by storing the results electronically on the IHT, rather than only having a hard copy print out of the test

25%



SIMPLIFIED OPERATION

- Automated traditionally time-intensive manual activities, such as pump priming, flow monitoring, and sample aeration
- Easy and fast data extraction with the new fully integrated RFID reader/writer for the Intelligent Heater Tubes™ (IHT)
- Instrument software supports multiple languages

ENHANCED SAFETY

- Decreased operator exposure to diesel vapor with a vapor containment system
- Prevents exposure to the hot heater tube section with a safety door; test won't start untill the door is closed
- Reduced exposure to diesel /biodiesel by flushing it at the end of the test; keeps test section dry during disassembly

DTOT - JFTOT

Even though DTOT uses the same platform as JFTOT their applications are different. DTOT is designed exclusively for diesel and biodiesel, while JFTOT can only be used to test jet fuel.

SPECIFICATIONS

Sample Capacity	600 mL or more
Test Temperature	100˚C - 380˚C, ± 2˚C
Differential Pressure Range	0 - 280 mm Hg (automatically bypassed at +250 mm Hg)
Operating System Pressure Range	500 psig ± 10%
Electrical - Universal Power Input	100 - 240 VAC ± 10%, 50/60 Hz
Fuel Sample Flow Rate Range	1.00 ml/min to 9.99 ml/min
Flow Accuracy	± 2%
Pump	HPLC, Single Head, SS, Pulse dampened
Thermocouple Type	K (Chromel/Alumel)
Thermocouple Temperature Range	-25˚C to +450˚C
Test Time Range	Programmable 4 to 600 minutes
Fuel Aeration Timer	6 minutes
Aeration Flow Rate	1.5 L/min
Coolant Flow Rate	38 L/hr (10 Gal/hr)
Ambient Operating Temperature Range	+10˚C to +35˚C (fuel sample limited to +15˚C to +32˚C)
Maximum Operating Current	7A/3.5A
Relative Humidity	20% to 90% non-condensing
Weight	60 kg (133 pounds)
Size - w x d x h	44 cm X 60 cm X 67 cm (17.3” X 23.4” X 26.6”)

Continuing research and development may result in specifications or appearance changes at any time

ABOUT PAC

PAC develops advanced instrumentation for lab and process applications based on strong **Analytical Expertise** that ensures **Optimal Performance** for our clients. Our analyzers help our clients meet complex industry challenges by providing a low cost of ownership, safe operation, high performance with fast, accurate, and actionable results, high uptime through reliable instrumentation, and compliance with standard methods.

Our solutions are from industry-leading brands: AC Analytical Controls, Advanced Sensors, Alcor, Antek, Herzog, ISL, Cambridge Viscosity, PSPI, and PetroSpec. We are committed to delivering superior and local customer service worldwide with 16 office locations and a network of over 50 distributors. PAC operates as a unit of Roper Technologies, Inc., a diversified technology company and a constituent of S&P 500, Fortune 1000, and Russell 1000 indices.

HEADQUARTERS

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Visit our website to find the
PAC representative closest to you.

DTOT Brochure-Rev1-1/2016