Technical specifications	Description
Test method	ASTM D3241, IP 323, ISO 6249
restinethou	Up to 21 programmable test methods
Test Temperature	Programmable from 100°C up to 380°C
Differential Pressure	0 – 750 mmHg (automatically bypassed at +700 mmHg)
Test time Range	Programmable from 4 to 600 minutes
Fuel Aeration	Programmable time, automatic air flow control
Aeration Flow rate	Programmable or according to test method, 1.5 L / min
Air Flow Humidity	Humidity sensor with displayed message for dessicant replacement
Heater tube temperature measurement	Thermocouple Type K, class 1
	Dual 5 mL syringe, maintenance free, programmable fuel flow rate or according to test method
Fuel Flow	Accuracy ±1%
	No flow pulse or peak
Bus Bar Temperature Control	Independent and programmable, each bus bar temperature can be adjusted
	No liquid cooling circulation
	Peltier modules + heat pipe technology
Heater tube section assembling	Special gauge to quickly and perfectly position the heater tube
Fuel vapor handling	Dedicated compartment with sliding doors acting like fume hood encompassing
Tuel vapor Hariumig	beakers and heater tube section, connectable to a fume extractor
Diagnostic and Service	Dedicated service menu with a flow chart layout with ability to click on each symbolic element to check its operation
DR10 – ITR connectivity	Via Ethernet port RJ45
DK10 - TIK Connectivity	Full test results can be automatically transferred from the DR10 to the TO10
Results storage	Result database
	Limited only to capacity of external device
LAN connectivity	Ethernet port RJ45
Printer output	USB (printer is optional)
Data output	USB (2), Ethernet
Dimensions (mm)	440 x 600 x 670
	(17"x 23"x 26")
Weight	60 kg (133lbs.)
Electrical	100 to 240V - 8 A - 50/60 Hz
Operating temperature	From +10 to +35°C
Relative humidity	20% to 90% non-condensing

We reserve the right to alter specifications without notification.

Your local distributor:	

For additional information:

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ThermalOxidation Stability of Aviation Turbine FuelsASTM D3241

TO10 – Thermal Oxidation Stability Test Rig



Methods: ASTM D3241 IP 323, ISO 6249 ASTM D1655, D7566 DEF STAN 91-091

- State of the art automation level
- Dual 5 mL syringe fuel pumping system, perfect fuel flow control, no pulse
- Automatic fuel aeration control
- Didactic and intuitive man-machine interface
- Independent bus bar temperature control, no cooling liquid
- ► DR10 ITR connectivity for automatic result storage
- ▶ No operator exposure to fuel vapor with safety door and fume extraction

For the development of this innovative instrument, all the parameters influencing the accuracy



of the D3241 / IP323 test method have been identified. For each of these parameters an innovative and reliable solution has been developed. This very successful apparatus is unmatched in the market.

The preparation of the test is simplified. No tools are needed for assembly and the heating tube mounting.

An extremely intuitive teaching software makes it possible to very quickly initiate a test and if necessary to follow step by step its progress.

Applications

Based on its flexibility, its robustness and reliability, the

TO10 is designed for any type of applications, research, and civilian and military fuel certification.

