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re-imagined.

eraflash X

D7094 微量閃火點測試儀

THE NEXT ERA

eraflash X

快速
安全
精確

ERAFLASH X 是 ASTM D93 Pensky-Martens 測試儀面向未來的替代品。專為石化行業量身定制，只需 2 mL 樣品即可在 18 °C 至 370 °C 的寬溫度範圍內測試各種液體。

完全符合最新閃點標準 ASTM D7094，為您的實驗室帶來 100% 的安全性、無與倫比的速度以及一流的精確度。


THE NEXT ERA

○ 安全性

基於本質安全的 CCCFP 設計，ERAFLASH X 透過連續封閉杯內的壓力變化來測量閃點。使用電弧作為點火源，而不是明火或電熱絲，消除了實驗室火災的風險。

○ 極高精確

ERAFLASH X 是適用於各種石油液體的最精確的閃火點測試儀。最新的 ASTM 實驗室間閃火點研究證明，ASTM D7094-23 可在最寬的溫度範圍內和最廣泛的樣品範圍內提供一流的精度。

○ 非常簡單

與傳統 ASTM D93 Pensky-Martens 閃點測試需要 75 mL 樣品相比，ASTM D7094 僅需要 2 mL 樣品。使用 ERAFLASH X 進行閃點測試不需要任何特殊的樣品準備，小樣品杯的填充和清潔只需幾秒鐘即可完成。實際上不會產生潛在危險材料的浪費，這使得每次測量的成本顯著降低。

○ 快速

ERAFLASH 採用eralytics的專利PBT - Peltier Boost Technology™，可提供無與倫比的加熱和冷卻能力及18°C至370°C (64°F 至 689°F) 的寬溫度範圍。與市面上所有其他閃點測試儀相比，加上樣品量小，週轉時間顯著縮短。使用 ERAFLASH X，典型的 ASTM D7094 柴油測量可在不到12分鐘內完成，比傳統的D93 Pensky-Martens 測試快兩倍。這使得 ERAFLASH X 每小時可進行多達 5 次完整的閃點測試。

ASTM 比對測試 RR:D02-1581 證明「ASTM D93 (Pensky-Martens) 和 ASTM D7094 之間不存在統計偏差」。這導致 ASTM D7094 被接受為許多燃料規範中的有效閃點測試方法：

- Fuel oil (D396)
- Diesel fuel (D975)
- Gas turbine fuel oil (D2880)
- Kerosene (D3699)
- Diesel fuel oil, Biodiesel blend (D7467)

No bias: D93 & D7094



flash X 技術規格

Test Methods	ASTM D7094, IP 620
Fuel Specifications	ASTM D396, D975, D2880, D3699, D7467
Speed Tests	Fast screening test programs for non-spec fuels
PBT – Peltier Boost Technology™	High-speed heating and cooling
CPT - Contamination Prevention Technology™	Advanced electrode protection and self-cleaning ignition system to minimize cleaning and maintenance
QuickCal™	In-situ calibration with eralytics unique calibration cups without needing to dismantle the instrument
Fuel Dilution Program	Automatic fuel dilution measurement for the analysis of used engine oils
Temperature Range	18 °C to 370 °C (64 °F to 689 °F)
Temperature Stability	0.1 °C (0.2 °F)
Turnaround Time	up to 5 measurements per hour
Sample Volume	2 mL
Reproducibility	R = 3.2 °C for diesel fuel @ 60 °C (ASTM D93: R = 4.3 °C) R = 5.6 °C for lube oil @ 200 °C (ASTM D93: R = 14.2 °C)
Result Database	Over 100 000 detailed test reports stored
PC Software	ERASOFT RCS - Windows® software for convenient data transfer and result analysis
Remote Control	Remote service capability via Ethernet
Interfaces	Built-in PC with Ethernet, USB, and RS232 interfaces, Wi-Fi via USB dongle Direct LIMS connectivity via LAN and output to printer or PC
Display	Industry proven 5.7" multilingual color touchscreen
Languages	English, German, French, Spanish, Japanese, Chinese, Additional languages available upon request
Power Requirements	Auto-switching 85 - 264 V, AC 47 - 63 Hz, max 150 W, Field application: optional 12 V DC adapter
Operating Conditions	10 °C to 40 °C, humidity up to 90% RH, non-condensing
Dimensions & Weight	W x D x H = 19.7 x 20.4 x 31.7 cm (7.7 x 8.0 x 12.5 in); 7.2 kg (15.9 lbs)

Due to continuing product development, specifications are subject to change.

All **eralytics** products are manufactured under ISO 9001 regulations and are CE, ROHS and UL/CSA compliant. www.eralytics.com/eraflash-x



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