eralytics trusted solutions. re-imagined.

THE NEXT ERA

eraflash series

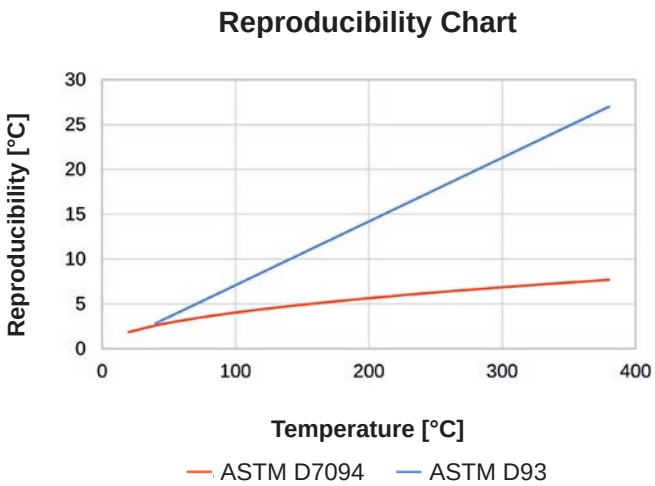
THE NEXT ERA OF FLASH POINT TESTING



YOUR **NEXT ERA** FEATURES AT A GLANCE

UNRIVALED PRECISION

ASTM D7094 offers best-in-class precision over the widest temperature range and for the widest range of samples.



SAFE: 100% safety in the lab

- Inherently safe CCCFP design
- Measurement inside a closed cup
- No open flame, no glowing wire
- Only 1 mL or 2 mL of sample needed
- No risk of fire in the laboratory

FAST: Shortest turnaround time

- Patented, innovative PBT – Peltier Boost Technology®
- More than twice as fast as D93 Pensky-Martens
- Unmatched heating and cooling power
- Temperature range of -40 °C to 420 °C

PRECISE: Best-in-class precision

- Fully compliant to Continuously Closed Cup Flash Point (CCCFP) methods ASTM D6450, D7094 and IP 620
- Highly precise flash point testers for all kinds of samples, proven by the 2022 ASTM interlaboratory study
- ASTM D7094 shows no statistically significant bias to ASTM D93 Pensky-Martens method

The Safe Side of Flash Point Testing

In contrast to Pensky-Martens instruments the era**flash** flash point tester series requires a reduced sample volume of only 1 mL or 2 mL and does not use an open ignition source. An electric arc ignites the sample vapor inside a continuously closed chamber during the measurement and the analyzer determines the flash point by the pressure change inside the closed cup. Flash point testing was never safer and easier.

Peltier Boost Technology®: Unmatched Heating and Cooling Rates

All era**flash** flash point testers use the patented, innovative PBT – Peltier Boost Technology®. This technology allows for previously unmatched heating and cooling power. In combination with the low sample volume significantly shorter turnaround times are achieved. With the Peltier Boost Technology® the era**flash** flash point tester series covers a temperature range of -25 °C to 420 °C within one single analyzer.

ASTM D7094 vs D93

ASTM D7094 is stated as the flash point test method in many fuel specifications, such as fuel oil (ASTM D396), diesel fuel (ASTM D975), gas turbine fuel oil (ASTM D2880), kerosene (ASTM D3699), diesel fuel oil & biodiesel blends (ASTM D7467) and can be used for many other liquid samples like jet fuel or fresh & used oils. Numerous ASTM round robin tests as well as direct comparison tests by the industry have proven the excellent correlation of the advanced ASTM D7094 standard to traditional ASTM and ISO methods. Confirmed by an ASTM interlaboratory study there is no statistically significant bias observed between D7094 and D93 Procedure A.

THE NEXT ERA of FLASH POINT TESTING

TEMPERATURE RANGES >

Applications >
Samples >
Methods >

ASTM D7094

“THE FUTURE-PROOF REPLACEMENT FOR D93 PENSKY-MARTENS.“

Display >
Interfaces >
Dimensions (W x D x H) >
Weight >

eraflash

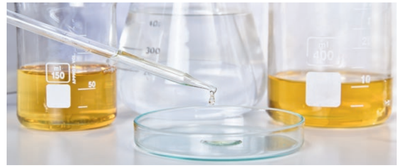


THE ALL-ROUND FLASH POINT TESTER

The era**flash** flash point tester is the high-end all-rounder for flash point testing for all kinds of samples.

-25 °C (-13 °F) — 420 °C (788 °F)

- Measurement of all kinds of liquid samples
- Fuels, lubricants, bitumen, paints, etc.
- ASTM D6450, D7094, IP 620, SH/T 0768, various correlation methods, fast screening method “SCAN“



- 8.4“ color touchscreen
- Direct LIMS connectivity (LAN, USB, RS232)
- 24.4 x 32.9 x 34.8 cm (9.6 x 12.9 x 13.7 in)
- 10.5 kg (23.1 lbs)

eraflash s10



THE FLASH POINT AUTOSAMPLER

The 10-position flash point autosampler era**flash s10** is the high-speed sampler for heavy workloads.

-25 °C (-13 °F) — 420 °C (788 °F)

- Unattended high sample throughput
- Fuels, lubricants, flavors & fragrances, paints, etc.
- ASTM D6450, D7094, IP 620, SH/T 0768, various correlation methods, fast screening method “SCAN“



- 8.4“ color touchscreen
- Direct LIMS connectivity (LAN, USB, RS232)
- 29.5 x 36.9 x 45.4 cm (11.6 x 14.5 x 17.9 in)
- 18.1 kg (39.9 lbs)

eraflash LT



THE LOW-TEMPERATURE FLASH POINT TESTER

The low-temperature flash point tester era**flash LT** is the cooling star for tests down to -40 °C.

-40 °C (-40 °F) — 120 °C (248 °F)

- Fast low-temperature flash point testing
- Flavors & fragrances, fuels, lubricants, liquid waste
- ASTM D6450, D7094, IP 620, SH/T 0768, various correlation methods, fast screening method “SCAN“



- 8.4“ color touchscreen
- Direct LIMS connectivity (LAN, USB, RS232)
- 24.4 x 32.9 x 34.8 cm (9.6 x 12.9 x 13.7 in)
- 9.9 kg (21.8 lbs)

eraflash X



THE PETROLEUM FLASH POINT TESTER

The future-proof replacement for ASTM D93 Pensky-Martens testers era**flash X** is tailored for the petroleum industry.

18 °C (64 °F) — 370 °C (698 °F)

- Measurement of petroleum liquids
- Fuels, Lubricants
- ASTM D7094, IP 620, fast screening method “SCAN“



- 5.7“ color touchscreen
- Direct LIMS connectivity (LAN, USB, RS232)
- 19.7 x 20.4 x 31.7 cm (7.7 x 8.0 x 12.5 in)
- 7.2 kg (15.9 lbs)

eralytics **NEXT ERA flash point testers** are known for their safe, fast and precise measurements and provide a flash point testing solution for every application.

SAFE.
FAST.
PRECISE.

Due to continuing product development, specifications are subject to change.
All **era**lytics products are manufactured under ISO 9001 regulations and are CE, ROHS and UL/CSA compliant. **www.eralytics.com/flash-point-testers**

eralytics instruments are available worldwide.
An international network of over 50 authorized and well-trained distributors is ready to answer your inquiries and to offer local support and service.
www.eralytics.com/sales

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