



MINIDIS ADXpert – new benchmark for D86 distillation

Automatic and fast mini-distillation

Fast, reliable and highly precise measurements make the MINIDIS ADXpert a smart alternative to classical D86 testing. MINIDIS ADXpert has a resolution about twice as good as D86 distillation units, yielding results well within ASTM D86 r/R requirements. The extremely versatile unit allows precise testing of various gasoline, jet fuel and diesel products (groups 0-4), biofuels, solvents, aromatics, organic liquids, chemicals and contaminated or blended samples. A distillation run on light products takes just 15 minutes and requires as little as 6 mL of sample.

MINIDIS ADXpert is a portable, true atmospheric and automatic distillation analyzer, designed for laboratory and field use. Because of its small size the mini-distillation analyzer is the ideal unit for places where limited or no lab-space is available.

Outstanding: Highest safety

MINIDIS ADXpert is the perfect solution for challenging environments: The rugged housing, a small sample volume of only 6 mL and the sealed metal distillation cycle eliminate the need of a fire protection system. By using cheap and durable metal sample cups instead of glass flasks the MINIDIS ADXpert significantly reduces consumable costs.

Ease of Use

Never before has distillation testing been that easy. The user presses "RUN" and is guided step-by-step through the distillation program. With the MINIWIN PC software, remote control of the instrument and full LIMS-integration is just a click away. Full automation from sample introduction to automatic cleaning guarantees highest productivity.

"The new MINIDIS ADXpert is very easy to use, works fully automatic and produces highly repeatable results in comparison to ASTM D86 analyzers. We especially like the small sample volume and the program for automatic cleaning."
Eva Galdova, Head of Mobile Laboratory, SGS Czech Republic



FEATURES

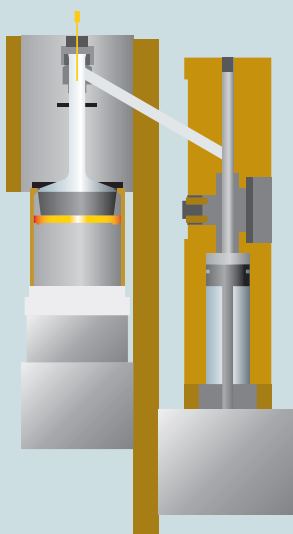
- Performs exclusively to the new standard ASTM D7344 (group 0-4)
- Excellent correlation to ASTM D86, ISO 3405 and IP 123, ASTM D850 and ASTM D1078
- True atmospheric distillation
- Superior repeatability and reproducibility
- Dry point detection
- Driveability Index

YOUR BENEFITS

- Automatic and fast mini-distillation for highest productivity
 - Automatic temperature controlled sample introduction system
 - Automatic flow correction and cooling
 - Fast & easy cleaning
- Small, rugged and truly portable, ideal for laboratory, mobile or field use
- Short turnaround time
- Easy operation (guided step-by-step user menu)
- Only 6 mL of sample
- Inexpensive consumables
- Highest safety: No fragile glassware, no fire extinguisher necessary
- No operator bias
- Accurate volume detection (optical meniscus)
- Exact residue determination (built-in balance)
- Automatic pressure correction
- 20 different pre-installed programs for each group (0-4)
- MINIWIN PC-Software for remote control and seamless LIMS-integration
- Optional 12V vehicle battery operation

APPLICATIONS (laboratory and mobile)

- Gasoline and naphta
- Kerosene and jet fuel
- Diesel and fuel oil
- Biofuels
- Automotive, aviation and marine fuels
- Blending
- Adulteration and contamination detection
- Spirits and other liquid petroleum products
- Narrow boiling products
- Volatile organic liquids
- Solvents and chemicals



Principle of Operation

TECHNICAL DATA

Test temperature	0 – 400°C (32-752°F)
Temperature resolution	+/- 0.1°C (0.18°F)
Measuring sample volume	6 mL
Measuring time	15 minutes (light samples)
Power supply	100/120/230/240 V AC, 50/60 Hz, 200 W
Dimensions	W x H x D: 253 x 368 x 277 mm (10 x 14.5 x 10.9 in)
Weight	20 kgs (44.1 lbs)



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