

MiniFlash FP Vision

Flash Point Analyzer

ASTM D6450, ASTM D7094

MINIFLASH FP(H) VISION is part of Grabner Instruments Vision analyzer family. The flash point tester MINIFLASH FP(H) Vision combines the field-proven advantages of Grabner analyzers with a convenient touchscreen design. The Industry 4.0-ready instrument fully integrates with enterprise level networks and the COCKPIT™ Software.

Features

- Intuitive menu navigation on 10" color touchscreen
- Full network, PC and LIMS integration via LAN
- USB printer support and data transfer
- Digital manual reading and export
- Extended temperature range
- User rights management with COCKPIT™ Software
- Unlimited number of methods and results
- Automatic ignition cleaning program
- Automatic sample loading and ejection



Temperature Range	FP Vision: <ul style="list-style-type: none">• 0 to 120°C (32 to 248°F) without cooling• Down to -25°C (-13°F) with water cooling
	FPH Vision: <ul style="list-style-type: none">• 10 to 400°C (50 to 752°F)
Temperature Stability	FP Vision: ±0.05°C (0.09°F)
	FPH Vision: ±0.07°C (0.13°F)
Precision (FP VISION)	ASTM D6450: Repeatability ±0.4°C (0.7°F) Reproducibility ±0.9°C (1.6°F)
	ASTM D7094: Repeatability ±0.5°C (0.9°F) Reproducibility ±0.9°C (1.6°F)
Sample Volume	1 ml (ASTM D6450) or 2 ml (ASTM D7094)
Fast Sample Throughput	Up to 16 samples/hour, depending on method
Interfaces	4x USB, 2x LAN
Instrument OS	Linux™
Remote Control	Remote Control via COCKPIT™ Software for Vision analyzers
Power Supply	100-264 V AC, 45-63 Hz, max. 125/235 W (FPV/FPHV; auto-switching power supply). 12 V DC vehicle battery adapter available for field use
Dimensions (WxHxD)	293 x 390 x 280 mm (10.5 x 15.4 x 11 inch)
Weight	FPV 10.2kg (22.4 lb) / FPHV 11.2kg (24.6 lb)



MiniFlash FPA Vision Autosampler

The MINIFLASH FPA Vision Autosampler is the latest addition to the Vision-series product line, an automated accessory specifically developed for use with the MINIFLASH FP Vision analyzer. (Photo shows FP Vision and Autosampler). The modular design offers the flexibility to expand with an autosampler anytime. MINIFLASH FPA Vision autosampler can be used interchangeably with all FP Vision Series analyzers.

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	ASTM D7094: Repeatability ±0.5°C (0.9°F) Reproducibility ±0.9°C (1.6°F)
Sample Volume	1 ml (ASTM D6450) or 2 ml (ASTM D7094)
Fast Sample Throughput	Up to 16 samples/hour, depending on method
Interfaces	4x USB, 2x LAN
Instrument OS	Linux™
Remote Control	Remote Control via COCKPIT™ Software for Vision analyzers
Power Supply	100-264 V AC, 45-63 Hz, max. 125/235 W (FPV/FPHV; auto-switching power supply). 12 V DC vehicle battery adapter available for field use
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