

Phoenix Gold™ 5000

AUTOSAMPLER

High-throughput NIR analysis with automated sample handling



Unattended Walk-Away Operation

Fully automated analysis for maximum productivity and consistent results.



Improved Throughput

Analyze up to 100 samples with minimal operator intervention.



5-Cup Autosampler

Standard hands-free configuration for routine, unattended analysis.



AID - Assured Sample ID

RFID-based sample and product identification helps prevent sample mix-ups.



SYNC

Instrument matching across sites for consistent performance.



SoIOS Software

Simple interface with 3-minute diagnostics and outputs to LIMS, Excel, and MODBUS.



30/50-Cup Expansion

Optional extensions increase throughput for high-volume laboratories.



EOS Connect

Centralized monitoring, results, diagnostics, and software updates.



Easy Lamp Maintenance

Tool-free lamp change in under 5 minutes.



Continuity

Bring your calibrations with you for smoother instrument transitions.

5-cup standard autosampler

Optional 30-cup and 50-cup extensions for increased sample throughput



Built for throughput, ease of use, and long-term reliability.

Phoenix Gold Autosampler 5000 combines proven monochromator performance with automated sample handling, RFID identification, and flexible capacity.





Keeps your Phoenix instrument running at its best with our dedicated Repair & Maintenance services. Our goal is to minimize downtime and simplify ownership so you can stay focused on your work - not your equipment.

The Phoenix Protection Program provides you with professional support and proactive care, for a low annual fee. It includes everything below. Of course, you can choose to purchase each individual service listed below, but the Protection program saves you time and lots of money.

- ◆ Quick turnaround times to get your instrument back in operation as fast as possible
- ◆ Minimal user maintenance required, with most work handled by our service team
- ◆ Experienced technicians who understand Phoenix instruments inside & out, ensuring repairs & tune-ups are done right

Specifications

PARAMETER	PHOENIX GOLD AUTOSAMPLER 5000
Wavelength Range	1100 - 2500 nm
Dimensions (Gold Autosampler)	15.5" x 18" x 10.125"; 394 mm x 457 mm x 257 mm (L x W x H)
Weight	35 lbs; 16 kg
Autosampler Capacity	5-cup standard; optional 30-cup and 50-cup extensions
Light Source	Tungsten Quartz Halogen Lamp, MTBF: 5k-10k hours
Measurement Mode	Reflectance or Transflectance
Spectral Resolution	0.5 nm, 1.0 nm or 2.0 nm
Absorbance Range	Up to 4 absorbance units (scan and wavelength dependent)
Analysis Time	10-60 seconds (depending on cup size and number of subsamples)
Wavelength Reproducibility	<0.02 nm (based on Praha specific diagnostic test)
Wavelength Accuracy	<0.05 nm matched to an internal reference standard
Photometric Noise (avg)	<15 μ Au in standard range
Operating System	Windows 10/11
Data Export Options	LIMS, Modbus, Excel
Ambient Temperature	10-40 °C

