Praha Analytical Partners | Phoenix Gold™

Phoenix Gold 5000

Advanced monochromator NIR performance for rapid, dependable analysis



TotalScan
Full sample-area scanning for better representation of the entire sample

IDP - Internal Drift Prevention
Embedded reference and wavelength standards at the sample plane with automatic reference before each sample

FLEX Sample Handling
Supports Ring Cup, Large Open Cup, and Transflectance Cup

AID - Assured Sample ID
RFID-based sample and product identification to reduce operator error

SYNC
Instrument matching across sites for consistent performance

SolOS Software
Simple user interface with 3-minute diagnostics and outputs to LIMS, Excel, and MODBUS

Phoenix Onboard
Calibrations stored directly on the instrument with no cloud or internet required

EOS Connect
Centralized monitoring, results, diagnostics, and software updates

Easy Lamp Maintenance
Low-wattage lamp, tool-free lamp change in under 5 minutes, with no fans, filters, or liquid cooling

Continuity
Bring your calibrations with you for smoother instrument transitions

Built for performance, ease of use, and long-term reliability,
Phoenix Gold combines robust monochromator optics with smart software and practical workflow features.

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PHOENIX PROTECTION PROGRAM

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

Dimensions (Gold)	12.5" x 12.5" x 21.5"; 318 mm x 318 mm x 546 mm (L x W x H)
Weight	Gold: 24 lbs; 11 kg
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 subscans)
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 µAu in standard range
Operating System	Windows 10/11
Data Export Options	LIMS, Modbus, Excel
Ambient Temperature	10-40 °C