

Thermo Scientific microPHAZIR GP

General Purpose Handheld NIR Analyzer

Near Infrared is a powerful non-destructive chemical analysis and identification tool. Rapid chemical verification and identification is critical in many industries to ensure product quality and customer safety. The Thermo Scientific microPHAZIR GP analyzer enables fast and accurate on-site material analysis.



The Thermo Scientific microPHAZIR GP analyzer is a handheld Near-Infrared (NIR) instrument designed for rapid on-site material identification and analysis. The 2.75 lb analyzer is battery powered and completely self-contained for truly portable analysis.

The microPHAZIR™ GP analyzer provides manufacturers with a portable tool to meet high product quality demands through increased testing. Customizable libraries and methods allow for tailored applications to address unique product requirements.

Key Benefits Include:

Save time

Rapid analysis with no sample preparation

Easy to use

Designed for non-expert users, accurate results displayed within seconds on the easy to read LCD screen

Portable

Small and lightweight for fast identification of materials in the field

Safe

Non-destructive, NIR is fast and safe

Applications Include:

- Food, feed and agriculture analysis
- Incoming chemical raw-material identification
- Quality control and assurance
- Product screening
- At-line monitoring
- Manufacturing troubleshooting
- Quantitative analysis of liquids, solids and pastes



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Principle of Operation	Non-destructive chemical analysis via Near Infrared Spectroscopy.
Weight	2.7 lbs
Light Source	Tungsten light bulb, safe for operators and sample integrity. Non-destructive.
Spectral Range	1600 – 2400 nm .
Measurement time	User-definable. Typically 3 seconds or less.
Internal data storage	All measurements stored in internal memory and can be downloaded to PC.
Data Download	Transfer data in text based files to a PC via USB connection. Easily transfer data to all types of applications.
Security	User selectable password protection with multiple security levels.
Operating conditions	Temperature range 40° to 104° F (5° to 40° C).
Batteries	Quick-change, rechargeable lithium-ion battery pack. AC battery charger included.
Housing	High-strength, dust proof/splash proof plastic housing.
Standard accessories	Rugged waterproof carrying case, 110/220 VAC Li-Ion battery and charger. Safety Lanyard.

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