

# Thermo Scientific microPHAZIR AG Analyzer

Fast, easy analysis for animal feed and ingredients

Efficient monitoring of feed and ingredient quality is critical to ensure the right nutritional balance in your products. The Thermo Scientific microPHAZIR AG analyzer provides a fast, simple, and portable solution for feed analysis anywhere in your facility.

## Easy to Use

- Pre-calibrated for most common feed and ingredients
- Minimal training required

## Reduce Turnaround Time

- Test all incoming and outgoing materials
- Analytical results in minutes instead of days

## Cost-Effective Sampling

- Reduce reliance on the lab
- Achieve least-cost formulation

## World Class Support

- Automatic calibration updates
- Global technical support network



The Thermo Scientific™ microPHAZIR™ AG analyzer is a handheld Near-Infrared (NIR) instrument designed for rapid on-site quantification of nutritional values.

The microPHAZIR AG analyzer provides manufacturers a portable testing solution to ensure high product quality before release. Pre-loaded with INGOT™ calibrations from Aunir, the microPHAZIR AG analyzer measures moisture, protein, oil, and other proximate values at the press of a button.

Through its intuitive workflow, this easy-to-use instrument takes lab-proven technology off the bench and makes it accessible to everyone. Monitoring quality and delivering the right nutritional balance has never been easier.



**Thermo**  
SCIENTIFIC



Protein	39.17%
Moisture	9.41%
Extractable Oil	15.18%
Total Oil	16.16%
Fiber	6.17%
Ash	3.39%
Starch	10.77%

Next Sample

Retest

Add Note

## Feed Calibrations

- Poultry
- Ruminant
- Equine
- Swine
- Aqua

## Ingredient Calibrations

- Cereals
- Legumes
- High Protein High Oil
- High Protein Low Oil
- Low Protein High Oil
- Low Protein Low Oil
- Animal Proteins
- Milk Powders

Fast, on screen results delivered with the press of a button.

## Specifications

Parameter	Comment
Spectral Range	1600 nm to 2400 nm (Near-Infrared Spectroscopy)
Analysis Time	~1 minute
Sampling Mode	Diffuse Reflectance
Calibration Method	Polystyrene Internal Wavelength Standard
Libraries	INGOT Level 4 calibration package
Weight	3.8 lbs (1.8 kg)
Physical Dimensions	10.4" x 4.3" x 9.9" (26.6 cm x 10.9 cm x 25.1 cm)
Enclosure	High-strength dust proof plastic housing
Source	Tungsten light bulb, safe for operators and simple to replace
Data Storage	Internal memory and can be uploaded to PC
Computer Interface	USB cable included
Operating Temperature	5° to 50°C (40°F to 125°F)
Power	Batteries: Two 7.2V Lithium Ion Rechargeable Batteries (3 Hour Run Time) AC Battery Charger Included
Sampling Cup	Sample Cup with Quartz Window



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