



Metrohm OMNIS NIR Analyzer

FASTER, EASIER, MORE EFFICIENT DECISION-MAKING

Fast, Non-Destructive Measurements

Measure samples in under one minute without preparation or hazardous chemicals.

Intuitive Software and Expert Support

OMNIS software simplifies data management and calibration with built-in tools and ready-to-use models – plus expert support when you want it.

Multi-Parameter Analysis in One Measurement

Streamline testing and accelerate decision-making across industries – food, pharmaceutical, chemical – by getting multiple answers at once.

A Platform of Possibilities

OMNIS platform integrates NIR with reference technologies, liquid handling, and even robotics to simplify lab operations while increasing throughput.



Operating Specifications

Sample Types	Solids, liquids, powders, pastes, granules, pellets, tablets, slurries/suspensions
Measurement Type	<p>Solids: Holds 60/100 mm petri dishes, 60/100 mm sample cups, and disposable vials—supports single- and multi-point scans</p> <p>Liquids: Interchangeable holders support disposable vials, cuvettes, and flow-through cells, with temperature control and automatic vessel recognition</p>
Measurement Mode	<p>Solids: Reflectance, transreflectance</p> <p>Liquids: Transmission</p>
Measurement Time	6-14 seconds (solids), 6-12 seconds (liquids)
Spectral Range	1000-2250 nm
Detector Type	TE-cooled InGaAs detector
Calibration	Internal NIST certified wavelength standards SRM 2065
Lamp	Tungsten halogen, >8,000-hour life
Temperature Control	25-80 °C (holder and vessel)



Solids Analyzer



Liquids Analyzer

Mechanical Specifications

Width	14.2 in (360.7 mm)
Height	16.7 in (236.2 mm)
Depth	9.3 in (424.2 mm)
Weight	40.1 lbs (18.2 kg)

Security

User Access	Granular permissions, Windows Active Directory integration
Regulatory Compliance	21 CFR Part 11, USP <856>, Ph. Eur 2.2.40
Other Compliance	ASTM E1655, E1790, D6122, D8321, D8340
Data Security	Access rights managed by MS-SQL database
LIMS Connectivity	Automated report export or direct integration via API



Liquid/Solid Analyzer