



OMNIS NIR Analyzer Solid

2.1071.0010

Near-infrared spectrometer for solid and viscous samples.

Developed and produced in accordance with Swiss quality standards, the OMNIS NIR Analyzer is the near-infrared spectroscopy (NIRS) solution for routine analysis along the entire production chain. Its application of the latest technologies and its integration in the modern OMNIS Software are reflected in its speed, operability and flexible utilization of this NIR spectrometer.

Overview of the advantages of the OMNIS NIR Analyzer Solid:

- Measurements of solids and viscous samples in less than 10 seconds
- Automated multi-position measurements for reproducible results, even with nonhomogeneous samples
- Simple integration in an automation system or link with additional analysis technologies (titration)
- Supports numerous sample vessels

Below, the accessories are grouped into Scope of delivery and Optional accessories.
Please keep this printout at hand for ordering replacement material.
These lists may be subject to change.

Scope of delivery 2.1071.0010

Qt.	Order no.	Description
1 PCS	1.1071.0010	OMNIS NIR Analyzer Solid

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1 PCS	6.06008.001	Function license OMNIS NIR Analyzer
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Function license for the measurement and evaluation of NIR spectra with an OMNIS NIR Analyzer.



Optional accessories

Order no.	Description	
6.06008.013	Pre-calibration, PET, solid OMNIS pre-calibration for determination of intrinsic viscosity, acid number, diethylene glycol content, and isophthalic acid content in poly (ethylene terephthalate) (PET) using NIR spectroscopy.	
6.06008.014	Pre-calibration, PE, solid OMNIS pre-calibration for determination of intrinsic viscosity and density in polyethylene using NIR spectroscopy.	
6.06008.015	Pre-calibration, PP, solid OMNIS pre-calibration for determination of the melt flow index in polypropylene using NIR spectroscopy.	
6.06008.016	Pre-calibration, PA6, solid OMNIS pre-calibration for determination of relative viscosity, carboxyl end-group content, and amine end-group content in polyamides (PA 6) using NIR spectroscopy.	

OMNIS pre-calibration for determination of moisture and caffeine content in roasted coffee using NIR spectroscopy.



6.07402.100 Large holder OMNIS NIR, 100 mm

Large holder for large sample vessel OMNIS NIR, 100 mm (6.07402.110).

Permits unambiguous positioning of the sample vessel and the rotation of the sample vessel.



6.07402.110 Large cup OMNIS NIR, 100 mm

Large sample vessel for the spectra acquisition of powders and granulates in reflection at various sample positions.

Compatible with:

- Large holder OMNIS NIR, 100 mm (6.07402.100)



6.07402.120 Large lid OMNIS NIR, black, 100 mm

Large lid (black) for large sample vessel OMNIS NIR, 100 mm (6.07402.110) for the reduction of stray light and slight compression of the sample.



6.07402.150 Petri dish, Duroplan, 100 mm, qty. 1

Petri dish of Duroplan glass with a diameter of 100 mm.

Compatible with:

- Large holder OMNIS NIR, 100 mm (6.07402.100).



6.07402.200 Small holder OMNIS NIR, 60 mm

Small holder for small sample vessel OMNIS NIR, 60 mm (6.07402.210).

Permits unambiguous positioning of the sample vessel and the rotation of the sample vessel.



6.07402.210 Small cup OMNIS NIR, 60 mm

Small sample vessel for the spectra acquisition of powders and granulates in reflection at various sample positions.

Compatible with:

- Small holder OMNIS NIR, 60 mm (6.07402.200)



6.07402.220 Small lid OMNIS NIR, black, 60 mm

Small lid (black) for small sample vessel OMNIS NIR, 60 mm (6.07402.210) for the reduction of stray light and slight compression of the sample.



6.07402.240 Petri dishes, PS, 60 mm, qty. 100

Disposable petri dishes of polystyrene with a diameter of 60 mm.

Compatible with:

- Small holder OMNIS NIR, 60 mm (6.07402.200).



6.07402.250 Petri dish, Duroplan, 60 mm, qty. 1

Petri dish of Duroplan glass with a diameter of 60 mm.

Compatible with:

- Small holder OMNIS NIR, 60 mm (6.07402.200).



6.07402.260 Transflection vessel OMNIS NIR, 60 mm

Optically flat transflection vessel for the spectral measurement of liquids.



6.07402.300 Flexible holder OMNIS NIR

Flexible holder with a variable diameter of up to 30 mm for the examination of samples in vials in reflection.



6.07402.910 Small reflector OMNIS NIR, 1 mm

Reflector with a gap size of 1 mm (optical path length of 2 mm) for the transfection measurement of liquids.

Suitable for disposable 28 mm reflection vials (6.7402.140).



6.07402.920 Small reflector OMNIS NIR, 2 mm

Reflector with a gap size of 2 mm (optical path length of 4 mm) for the transfection measurement of liquids.

Suitable for disposable 28 mm reflection vials (6.7402.140).



6.07402.930 Small reflector OMNIS NIR, 4 mm

Reflector with a gap size of 4 mm (optical path length of 8 mm) for the transfection measurement of liquids.

Suitable for disposable 28 mm reflection vials (6.7402.140).



6.07402.940 Large reflector OMNIS NIR, 1 mm

Reflector with a gap size of 1 mm (optical path length of 2 mm) for the transfection measurement of liquids.

Suitable for transfection vessels (6.07402.260 and 6.7401.000).



6.07402.950 Large reflector OMNIS NIR, 2 mm

Reflector with a gap size of 2 mm (optical path length of 4 mm) for the transfection measurement of liquids.

Suitable for transfection vessels (6.07402.260 and 6.7401.000).



6.07402.960 Large reflector OMNIS NIR, 4 mm

Reflector with a gap size of 4 mm (optical path length of 8 mm) for the transfection measurement of liquids.

Suitable for transfection vessels (6.07402.260 and 6.7401.000).



6.7402.110 Disposable vials, 15 mm, reflection

123 lockable disposable glass vials with a diameter of 15 mm for analyses of solids in reflection. Suitable for NIRS RapidContent (Solid) Analyzers of the XDS, DS2500 and OMNIS product families.



6.7402.120 Disposable vials, 19 mm, reflection

225 lockable disposable glass vials with a diameter of 19 mm for analyses of solids in reflection. Suitable for NIRS RapidContent (Solid) Analyzers of the XDS, DS2500 and OMNIS product families.



6.7402.130

Disposable vials, 22 mm, reflection

172 lockable disposable glass vials with a diameter of 22 mm for analyses of solids in reflection. Suitable for NIRS RapidContent (Solid) Analyzers of the XDS, DS2500 and OMNIS product families.



6.7402.140

Disposable vials, 28 mm, reflection

216 lockable disposable glass vials with a diameter of 28 mm for analyses of solids in reflection. Suitable for the following analyzers:

- NIRS DS2500 Analyzer
- NIRS XDS RapidContent (Solid) Analyzer
- NIRS XDS MultiVial Analyzer
- NIRS XDS MasterLab Analyzer



6.7402.200

Stopper for 6.7402.110

123 stoppers for 15 mm Reflection disposable vials.



6.7402.210

Stopper for 6.7402.120

225 stoppers for 19 mm Reflection disposable vials.



6.7402.220

Stopper for 6.7402.130

172 stoppers for 22 mm Reflection disposable vials.



6.7402.230

Stopper for 6.7402.140

216 stoppers for 28 mm Reflection disposable vials.



6.07410.000

OMNIS NIR Lamp

Spare lamp for 2060 The NIR Analyzer and OMNIS NIR Analyzer with built-in hour counter.



6.07402.140

Petri dishes, PS, 100 mm, qty. 100

Disposable petri dishes of polystyrene with a diameter of 100 mm.

Compatible with:

- Large holder OMNIS NIR, 100 mm (6.07402.100).



6.07410.010 Dust protection cover OMNIS NIR

Dust protection cover for the OMNIS NIR Analyzer. Protects the Analyzer against dust and dirt for prolonged periods when not in use.



6.06008.019 Pre-calibration, wheat flour, solid

OMNIS pre-calibration for determination of moisture and of protein and ash content in wheat flour using NIR spectroscopy.



6.07402.970 Small reflector OMNIS NIR, 0.5 mm

Reflector with a gap size of 0.5 mm (optical path length of 1 mm) for the transfection measurement of liquids.

Suitable for disposable vials 28 mm reflection (6.7402.140).



6.07410.030 External standards OMNIS NIR, reflection

Set of 5 reflection standards and 1 wavelength standard for checking the wavelength accuracy, the photometric linearity, and the noise characteristics of the OMNIS NIR Analyzer in reflection mode.

