



OMNIS NIR Analyzer Liquid

2.1070.0010

Spectromètre proche infrarouge pour échantillons liquides.

L'OMNIS NIR Analyzer est la solution de spectroscopie proche infrarouge (NIRS) développée et produite selon les normes de qualité suisses pour les analyses de routine tout au long de la chaîne de fabrication. L'utilisation des technologies les plus récentes et l'intégration dans le logiciel OMNIS moderne se reflètent dans la vitesse, la facilité d'utilisation et la flexibilité d'utilisation de ces spectromètres NIR.

Vue d'ensemble des avantages de l'OMNIS NIR Analyzer Liquid :

- Mesures d'échantillons liquides en moins de 10 secondes
- Contrôle de la température sur l'échantillon de 25 °C à 80 °C
- Détection automatique de l'insertion et du retrait d'échantillons du récipient d'échantillon
- Intégration simple dans un système d'automatisation ou liaison avec d'autres technologies d'analyse (titrage)
- Prise en charge de nombreux récipients d'échantillon de différentes longueurs de chemin

Contenu de la livraison 2.1070.0010

Qt.	Order no.	Description
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Near-infrared spectrometer for liquid 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 Liquid:

- Measurements of liquid samples in less than 10 seconds
- Temperature control on the sample from 25–80 °C
- Automatic detection of the insertion and removal of the sample vessel
- Simple integration in an automation system or link with additional analysis technologies (titration)
- Supports numerous sample vessels with different path lengths

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



Accessoires optionnels

Order no.	Description	
6.06008.002	Software license Quant Development	
	Software license for the creation and editing of quantification models in a stand-alone OMNIS Software installation.	
6.06008.005	Pre-calibration, isocyanate, liquid	
	OMNIS pre-calibration for determination of the NCO number in isocyanates using NIR spectroscopy.	
6.06008.006	Pre-calibration, polyol, liquid	
	OMNIS Pre-calibration for determination of the hydroxyl number in polyols by means of NIR spectroscopy.	
6.06008.007	Pre-calibration, CPO, liquid	
	OMNIS pre-calibration for determination of iodine number, moisture, and free fatty acids in crude palm oil using NIR spectroscopy.	

6.06008.008 Pre-calibration, gasoline, liquid

OMNIS pre-calibration for determination of octane number, LCI, and density, along with the benzene, aromatic compounds, olefins, and oxygen content in gasoline using NIR spectroscopy.



6.06008.009 Pre-calibration, diesel, liquid

OMNIS pre-calibration for determination of the cetane index, cetane number, density, cold filter plugging point and flash point in diesel oil using NIR spectroscopy.



6.06008.011 Pre-calibration, RBD palm oil, liquid

OMNIS pre-calibration for determination of iodine number, moisture, and free fatty acids in RBD palm oil using NIR spectroscopy.



6.06008.012 Pre-calibration, CPKO, liquid

OMNIS pre-calibration for determination of iodine number, moisture, and free fatty acids in crude palm kernel oil using NIR spectroscopy.



6.06008.018 Pre-calibration, edible oil, liquid

OMNIS pre-calibration for determination of the iodine value, refractive index, free fatty acid content, and fatty acid content of C16:0, C18:0, C18:1, C18:2, C18:3 in soy oil, sesame oil, sunflower oil, and rapeseed oil using NIR spectroscopy.



6.06008.026 Pre-calibration, olive oil, liquid

OMNIS pre-calibration for determination of iodine number, FFA, peroxide and K232 values, fatty acid distribution, refractivity, and induction time in olive oil using NIR spectroscopy.



6.07401.010 Holder OMNIS NIR, cuvette, 1 mm

Cuvette holder for the OMNIS NIR Analyzer for 1 mm quartz cuvettes (6.7401.200).



6.07401.020 Holder OMNIS NIR, cuvette, 2 mm

Cuvette holder for the OMNIS NIR Analyzer for 2 mm quartz cuvettes (6.7401.210).



6.07401.030 Holder OMNIS NIR, cuvette, 5 mm

Cuvette holder for the OMNIS NIR Analyzer for 5 mm quartz cuvettes (6.7401.220).



6.07401.040 Holder OMNIS NIR, cuvette, 10 mm

Cuvette holder for the OMNIS NIR Analyzer for 10 mm quartz cuvettes (6.7401.230).



6.07401.050 Holder OMNIS NIR, vial, 2 mm

Vial Holder for the OMNIS NIR Analyzer for 2 mm disposable vials (6.7402.070).



6.07401.060 Holder OMNIS NIR, vial, 4 mm

Vial Holder for the OMNIS NIR Analyzer for 4 mm disposable vials (6.7402.250).



6.07401.070 Holder OMNIS NIR, vial, 8 mm

Vial Holder for the OMNIS NIR Analyzer for 8 mm disposable vials (6.7402.240).



6.07401.080 Holder OMNIS NIR, vial, 10 mm

Vial Holder for the OMNIS NIR Analyzer for 10 mm disposable vials (6.7402.100).



6.07401.100 Holder OMNIS NIR, flow-through cells

Cuvette holder for the OMNIS NIR Analyzer for flow-through cells (6.7401.300; 6.7401.310; 6.7401.320; 6.7401.330; 6.7401.340).



6.07401.110 Flow-through connector set, 1/8"

Connection set for flow-through cells with an OMNIS Sample Robot. Contains flangeless sleeve 1/8", 10 pcs., Flangeless fitting with nut, 1/8", 10 pcs. and FEP tubings 1/8" x 1.59 mm, 4 pcs.



6.07401.320 Flow-through cell, 2 mm

Flow quartz cuvettes with an optical path length of 2.0 mm suitable for near-infrared spectroscopy (NIRS) analyses.

Compatible with:

- Holder OMNIS NIR, flow-through cell (6.070401.100)



6.07401.330 Flow-through cell, 2.5 and 5 mm

Flow quartz cuvettes with quartz glass window and two optical path lengths (2.5 mm or 5.0 mm) suitable for near-infrared spectroscopy (NIRS) analyses.

Compatible with:

Holder OMNIS NIR, flow-through cell (6.070401.100)



6.07401.340 Flow-through cell, 5 and 10 mm

Flow quartz cuvettes with quartz glass window and two optical path lengths (5.0 mm or 10.0 mm) suitable for near-infrared spectroscopy (NIRS) analyses.

Compatible with:

- Holder OMNIS NIR, flow-through cell (6.070401.100)



6.07410.000 OMNIS NIR Lamp

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



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



6.07410.040 External standards OMNIS NIR, transmission

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



6.7401.200 Quartz cuvette, 1 mm

Quartz glass cuvette with a window made of quartz glass of maximum purity and homogeneity. The cuvettes have a transmission of more than 80% in the wavelength range of 200–2500 nm.

Compatible with:

- NIRS Spacer for set of 12.5 mm cuvettes (6.7403.180)
- DS2500 holder for 1 mm cuvette (6.7492.100)
- Holder OMNIS NIR, cuvette, 1 mm (6.07401.010)



6.7401.210 Quartz cuvette, 2 mm

Quartz glass cuvette with a window made of quartz glass of maximum purity and homogeneity. The cuvettes have a transmission of more than 80% in the wavelength range of 200–2,500 nm.

Compatible with:

- NIRS Spacer for set of 12.5 mm cuvettes (6.7403.180)
- DS2500 holder for 2 mm cuvette (6.7492.110)
- Holder OMNIS NIR, cuvette, 1 mm (6.07401.010)



6.7401.220

Quartz cuvette, 5 mm

Quartz glass cuvette with a window made of quartz glass of maximum purity and homogeneity. The cuvettes have a transmission of more than 80% in the wavelength range of 200–2500 nm.

Compatible with:

- NIRS Spacer for set of 12.5 mm cuvettes (6.7403.180)
- DS2500 holder for 5 mm cuvette (6.7492.120)
- Holder OMNIS NIR, cuvette, 5 mm (6.07401.030)



6.7401.230

Quarzküvette, 10 mm

Quarzglasküvette mit einem Fenster aus Quarzglas in höchster Reinheit und Homogenität. Die Küvetten haben eine Transmission von über 80% im Wellenlängenbereich von 200 nm - 2500 nm.

Kompatibel mit:

- NIRS Spacer für 12.5 mm Küvettenset (6.7403.180)
- DS2500 Halter für 10 mm Küvette (6.7492.130)
- Halter OMNIS NIR, Küvette, 10 mm (6.07401.040)



6.7401.300

Flow-through cell, 0.5 mm

Flow quartz cuvettes with quartz glass window and an optical path length of 0.5 mm suitable for near-infrared spectroscopy (NIRS) analyses.

Compatible with:

- Holder OMNIS NIR, flow-through cell (6.070401.100)
- DS2500 holder for flow cells (6.7493.000)



6.7401.310

Flow-through cell, 1 mm

Flow quartz cuvettes with an optical path length of 1.0 mm suitable for near-infrared spectroscopy (NIRS) analyses.

Compatible with:

- Holder OMNIS NIR, flow-through cell (6.070401.100)
- DS2500 holder for flow cells (6.7493.000)



6.7402.070

Disposable vials, 2 mm diameter, transmission

200 lockable disposable glass vials (borosilicate) with a diameter of 2 mm for analyses of liquids in transmission mode.

Compatible with:

- Holder OMNIS NIR, vial, 2 mm (6.07401.050)
- DS2500 holder for flow cells (6.7492.000)



6.7402.100

Disposable vials, 10 mm diameter, transmission

195 lockable disposable glass vials (borosilicate) with a diameter of 10 mm for analyses of liquids in transmission.

Compatible with:

- Holder OMNIS NIR, vial, 10 mm (6.07401.080)
- DS2500 holder for 4 mm disposable vials (6.7492.030)



6.7402.240 Disposable vial, 8 mm, transmission, qty. 100

100 disposable glass vials (borosilicate) with an optical path length of 8 mm for analyses of liquids in transmission. The disposable vials are supplied with the associated stoppers (number of pieces = 100).

Compatible with:

- Holder OMNIS NIR, vial, 8 mm (6.07401.070)
- DS2500 holder for 8 mm disposable vials (6.7492.020)

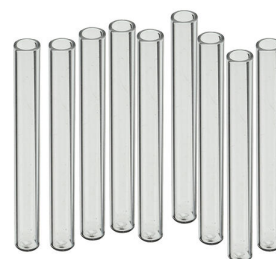


6.7402.250 Disposable vial, 4 mm, transmission, qty. 200

200 disposable glass vials (borosilicate) with an optical path length of 4 mm for analyses of liquids in transmission.

Compatible with:

- Holder OMNIS NIR, vial, 4 mm (6.07401.060)
- DS2500 holder for 4 mm disposable vials (6.7492.010)



6.7402.260 Stopper for disposable vial, 4 mm, qty. 100

100 stoppers for 4 mm transmission disposable vials (6.7402.250).

