



# OMNIS NIR Automation

Make your quality control  
more efficient

PEOPLE  
YOU  
CAN  
TRUST

 **Metrohm**

# GOOD VIBES

WITH OMNIS NIRS

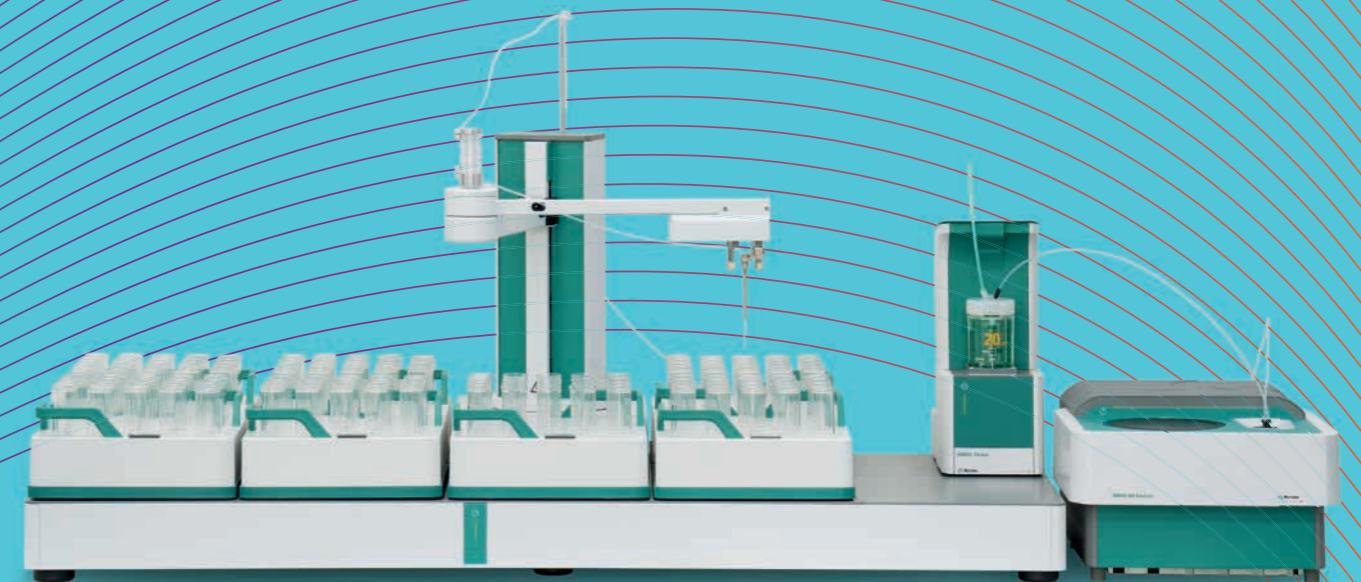
Don't let high sample loads  
spoil your day!

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# Maximize sample throughput – automate your analyses with OMNIS NIRS

How to cope with ever increasing sample loads? Combine your OMNIS NIR Analyzer with a sample robot and boost the efficiency of your routine analysis to a whole new level.



OPTION

1

OMNIS NIR Analyzer  
+ OMNIS Sample Robot - NIR

Analyze liquid and solid samples completely unattended on 1–3 racks with a maximum capacity of up to 231 samples.

OPTION

2

OMNIS NIR Analyzer  
+ OMNIS Sample Robot with flow-through cell

Analyze more than 500 liquid samples on 1–7 racks completely unattended. Use this option if you want to perform NIR analysis and titrations on the same samples.

OPTION

1

# OMNIS Sample Robot - NIR



The robotic arm of the OMNIS Sample Robot - NIR transfers your samples to the OMNIS NIR Analyzer for the fully automated analysis of both liquids and solids.

#### MEASURE UP TO 231 SAMPLE COMPLETELY UNATTENDED

With the capacity to handle up to 231 samples without supervision, the OMNIS Sample Robot - NIR offers high-throughput analysis.

#### START SMALL, GROW WITH EASE

Begin with a stand-alone OMNIS NIR Analyzer and add an OMNIS Sample Robot - NIR as your sample load increases. This scalable solution expands your lab's capabilities without requiring a complete system overhaul.

#### RELY ON SUPERIOR ACCURACY AND REPRODUCIBILITY

Engineered for exact sample positioning on the measuring window of the OMNIS NIR Analyzer, the OMNIS Sample Robot - NIR ensures that every analysis is as precise as the previous.

#### ADAPT TO ANY SAMPLE TYPE

Designed to handle both liquid and solid samples, the OMNIS Sample Robot - NIR allows for seamless rack exchanges while the system continues to operate uninterrupted.

Pipet your sample directly from a beaker into a flow-through cell, and measure your samples by near-infrared spectroscopy as well as titration – on the same platform!

**ANALYZE MORE THAN 500 SAMPLES IN A SINGLE RUN**

The OMNIS Sample Robot with flow-through cell allows you to handle an exceptionally high number of samples, significantly boosting throughput and making it ideal for high-demand environments.

**UPGRADE CAPACITY AT ANY TIME**

Start with version S (2 racks) and scale up to version M (5 racks) or even version L (7 racks) as your lab's needs increase. This flexible design grows with your lab, expanding capacity on the same platform.

**STREAMLINED WORKFLOWS**

Combine NIR measurements with titrations to simplify NIR model development and expand your quality control capabilities. This integration allows you to analyze a wider range of parameters on a single platform, maximizing both the efficiency and versatility of your lab.

**TAILORED TO YOUR APPLICATION NEEDS**

Choose from a variety of flow-through cells with different optical path lengths, ensuring your analyses are precise and optimized for your specific applications.

OPTION

2

# OMNIS Sample Robot with flow-through cell



# Good vibes in your lab – for the long run

OMNIS NIRS brings good vibes made in Switzerland into your laboratory. The near-infrared vibrational spectrometer from Metrohm is completely developed and made in Switzerland using robust components that guarantee many years of reliable instrument operation. The OMNIS NIR Analyzer is IP54-rated, making it ideal for use not only in the laboratory but also on the production floor next to the production line. It goes without saying that the unique Metrohm guarantees also apply to OMNIS NIRS:

- 3-year instrument warranty
- 5-year software support guaranteed
- 10-year guaranteed availability of spare parts after discontinuation of the instrument



## LOCAL SERVICE AND SUPPORT – WORLDWIDE

We are present in more than 170 countries worldwide. Our certified service engineers and application specialists speak your language and provide professional service and support whenever you need them.

GOOD VIBES  
MADE IN  
SWITZER  
LAND



## ARTICLE NUMBERS

OMNIS Sample Robot - NIR	
2.1073.0010	OMNIS Sample Robot S - NIR
2.1074.0010	OMNIS Sample Robot M - NIR
6.07410.020	Gripper fingers 8 – 28 mm
6.02041.080	OMNIS sample rack, 77 x 8 mm
6.02041.090	OMNIS sample rack, 77 x 15 mm
6.02041.100	OMNIS sample rack, 50 x 19 mm
6.02041.110	OMNIS sample rack, 50 x 22 mm
6.02041.120	OMNIS sample rack, 27 x 28 mm
6.7402.110	Disposable vials, 15 mm, reflection
6.7402.120	Disposable vials, 19 mm, reflection
6.7402.130	Disposable vials, 22 mm, reflection
6.7402.140	Disposable vials, 28 mm, reflection
6.7402.240	Disposable vials, 8 mm, transmission
6.7402.200	Stopper for 6.7402.110
6.7402.210	Stopper for 6.7402.120
6.7402.220	Stopper for 6.7402.130
6.7402.230	Stopper for 6.7402.140
OMNIS Sample Robot with flow-through cell	
2.1010.0010	Main module Pick&Place S
2.1011.0010	Main module Pick&Place M
2.1012.0010	Main module Pick&Place L
2.1001.0110	OMNIS Basic Titrator without stirrer
6.07401.100	Holder OMNIS NIR, flow-through cells
6.7401.300	Flow-through cell, 0.5 mm
6.7401.310	Flow-through cell, 1 mm
6.07401.320	Flow-through cell, 2 mm
6.07401.330	Flow-through cell, 2.5 and 5 mm
6.07401.340	Flow-through cell, 5 and 10 mm
6.03001.220	OMNIS 20 mL cylinder unit
6.07401.110	Flow-through connector set, 1/8"
6.02041.030	OMNIS sample rack, 16 x 120 mL, (PP)
6.01400.300	Sample beakers, clear glass, 120 mL, 20 pieces