

Spectroscopy solutions for pharmaceutical analysis



Faster, safer, and much more economical

Safety and added value for your production cycle

Metrohm NIR and Raman Analyzers for quality control of all production steps

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Metrohm near-infrared (NIR) and Raman analyzers provide safety and add value at each step in your production process, from raw material inspection via formulation to final product quality control.

Increased productivity

Our analyzers provide instant results on one or multiple parameters with clear pass/fail indications at the push of a button. Thanks to their intuitive operation, staff familiarization times are reduced to an absolute minimum.

Safety and transparency

Feel confident for upcoming audits with our FDA 21 CFR Part 11 compliant software with Audit Trail. Straightforward user management with SOPs and user rights administration prevents unauthorized users from unintentionally changing instrument settings.

Boost your profitability

Much lower running costs compared to competing methods make a real difference to your bottom line. Costs per analysis are lower because no sample preparation is needed and samples can be re-used due to the non-destructive nature of the method. As no additional reagents are required, there are no costs for waste disposal either.

Incoming material inspection



Confirm the identity and grade of incoming materials within seconds with our Raman Mira M-3 or NIRS XDS SmartProbe instrument.

Complete your production cycle

In accordance with FDA 21 CFR Part 11, Metrohm NIR and Raman analyzers enable accurate analyses of intermediates, be it tablets or creams.

Final quality control



Ensure and document product quality of intermediates and final products with our FDA 21 CFR Part 11 compliant software Vision Air and Mira Cal.

Metrohm NIR and Raman Software – No Compromises

Our software solutions ensure that you get the most out of your instruments. The Raman and NIR software packages are certified according to FDA 21 CFR Part 11 guidelines. The modern user interface provides for a unique user experience with intuitive operation and clear indications of pass/fail results. The state-of-the-art user management allows QC managers to create strict SOPs, reducing the risk of operator mistakes to a minimum.

• Intuitive and convenient operation

Straightforward user guidance allows simultaneous determination of multiple critical control parameters by a single mouse click.

• Maximum transparency

See all results at a glance with event highlighting. Find all information instantly via smart filter options.

• Full data integrity and safety

Secure databases ensure highest data safety and data persistence.

• Extensive network functionalities

Vision Air's network server allows you to distribute SOPs to multiple instruments all over the world and to store and access all data centrally.

• Flexible NIR method development options

According to your preference: use Vision®, Camo Unscrambler® X, Eigenvector Research PLS_Toolbox or Solo for convenient NIR method development.

Quality control for production cycle

Compliance with international pharmaceutical and various regulations, NIR and Raman spectrometry provide you fast and convenient analysis of APIs, excipients, and mixtures in the form of solids, liquids,

Process control and optimization



Optimize and control your drying, blending, and granulation processes according to the FDA PAT initiative.

Superior service & support

Metrohm Quality Service stands for high instrument uptime and no surprises. You can count on our highly qualified service personnel and our superior application support.



Your benefits

- Increased lifetime of your instruments
- Documented performance for your analyzers
- Expert assistance for method development and modification
- Peace-of-mind for upcoming audits with our compliant documentation
- Closer to you: Metrohm support is just a phone call away

Expertise with primary methods – discover more

No one does it like Metrohm: We provide superior spectroscopy solutions – and the most widely used primary methods, too. Leave nothing to chance and make sure

you obtain your equipment from a single source to ensure seamless compatibility between the primary reference wet chemical and secondary spectroscopic methods.

Titration



Electrochemistry



Ion chromatography



For more information about our analyzers and applications, visit metrohm.com and contact your local Metrohm sales representative.

For more solutions for the pharmaceutical industry, visit pharma.metrohm.com

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