

LAB SOLUTIONS

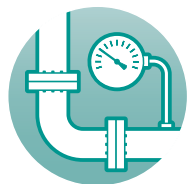


Today's labs are required to produce more results with less resources than ever before. At Metrohm, we partner with you to match the right instrument system to your needs. It begins with a technical discussion to fully understand your measurement requirements. If required, our application chemists test your samples and instrument experts optimize your system configuration.

The modularity of our instruments allows us to design sample handling and analysis platforms that deliver precise and reproducible results and increase the productivity of your lab. Intuitive software guides you through the measurement process from method setup to data analysis.

Metrohm is at the forefront of laboratory automation and analysis, increasing the productivity of your lab.

PROCESS SOLUTIONS



Metrohm's process analyzers take our laboratory solutions a step further. Fully automated, online customizable analyzers facilitate process monitoring across a wide array of applications.

Drawing on our core competencies in titration, ion chromatography, spectroscopy, and electrochemistry, we leverage our applications knowledge to create reliable solutions for process analysis that optimize efficiency, decrease chemical consumption and create a safer work environment.

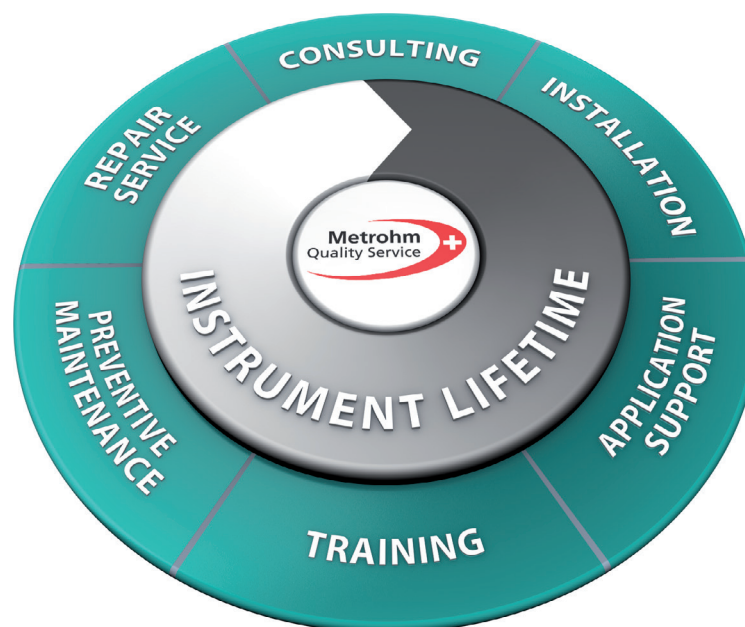
Metrohm understands how to translate laboratory analysis methods into accurate and reliable online analysis.

Whether you're working in the laboratory or a production environment, we back our systems with a team of experienced support personnel that offer guidance in applications, project engineering, installation, validation, and service.

QUALITY SERVICE

Metrohm Quality Service begins before you purchase your instrument and continues throughout its entire lifecycle. Instrument experts help you make the right decisions to satisfy your analytical and environmental requirements. Application chemists assist you in every technical aspect, from support in method development to troubleshooting and process optimization. Our certified service engineers are always on alert to provide emergency service in the shortest possible time – wherever you are.

Metrohm provides the same high standard of service all over the world by trained and certified service engineers based at local Metrohm offices. After all, who is better qualified to care for your instruments than the people who built them?



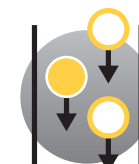
www.metrohm.com



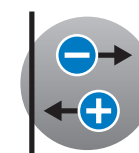
Get to Know Metrohm



Titration



Ion Chromatography



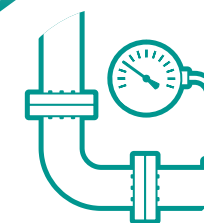
Electrochemistry



Spectroscopy



Laboratory



Process



Your partner for chemical analysis

Metrohm is a leading manufacturer of high-precision instruments for chemical analysis. We offer a complete line of analytical laboratory and process systems for titration, ion chromatography, spectroscopy, and electrochemistry.

«We have chosen Metrohm because these systems are rugged, versatile and easy to operate.» **Daniel Matuschka, Sigma Aldrich**

Manufactured in Switzerland since 1943, our instruments have a unique reputation for their robust design and outstanding quality. With thousands of installations worldwide, we are the established leader in titration.

«They are very competent and fast to advise us on technical or scientific questions.» **Sandrine Caristan, Sanofi Aventis**

From the beginning, our sales engineers guide you through the instrument purchasing process. Together with our team of application chemists we create unique solutions for your laboratory needs. From installation to routine preventative maintenance, our global team of certified service professionals ensures ongoing performance and reliability of your Metrohm instrument.

«We are supported by local specialists... who are highly motivated and very friendly.» **Dr. Carsten Thöne, Lufthansa Technik AG**

Whether it is replacing an existing instrument, developing a new analytical solution or answering your technical questions – we are here for you. Our local presence, with offices or subsidiaries in over 120 countries, makes Metrohm your neighbor. Metrohm is a familiar face and shares your professional background.

Get to know Metrohm.

TITRATION

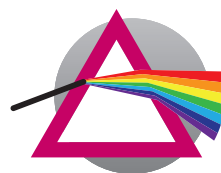


Titration systems provide answers to critical chemical parameters such as acid number, chloride content, and total hardness among thousands of others. Metrohm offers a comprehensive range of stand-alone and automated titration products, featuring our premium quality sensors and backed by unparalleled applications know-how.

Since inventing the first recording pH meter in 1949, we have created a legacy of innovation including digital titration, programmable stand-alone titration, Dosino™ top-down dosing, and more recently, the Optrode™ optical sensor. When a titration is needed, users around the world choose Metrohm over any other titrator.

- Karl Fischer titration
- Potentiometric titration
- Liquid handling solutions
- Chemistry automation systems

SPECTROSCOPY

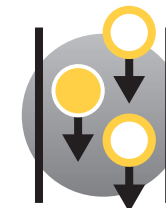


Near-infrared (NIR) and Raman spectroscopy are versatile analytical techniques for rapid, nondestructive analysis, applicable to many industries. At Metrohm, we've joined forces with two likeminded industry leaders to create Metrohm NIRSystems, a business division focused on bringing our philosophy of quality products and unparalleled applications know-how to spectroscopy.

Our partnership with FOSS brings you over 50 years of experience and numerous patents that drive technology for the lab and process line. Together with Snowy Range Instruments we take a dynamic approach to miniaturized Raman products featuring innovative optical and mechanical sampling. With a focus on accuracy and performance in harsh conditions, our instruments measure samples in a wide variety of matrices – with little or no sample preparation.

- Laboratory NIR analyzers
- Process NIR analyzers
- Handheld Raman spectrometers

ION CHROMATOGRAPHY

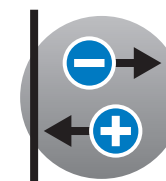


Ion chromatography (IC) is a key analytical technique used for the separation and analysis of components in matrices ranging from solid to liquid to gaseous. Metrohm has led advancements in IC for more than a quarter century, introducing the first compact ion chromatographs and modular systems, as well as intelligent, self-monitoring ion chromatographs.

Automated sample preparation through dilution, ultrafiltration, dialysis, neutralization, matrix, elimination and pre-concentration enables you to collect accurate data in record time. When combined with our application support and industry-leading warranties, Metrohm provides you with the most reliable and intuitive ICs.

- Multichannel IC systems
- Hyphenated IC systems
- Multiple detection technologies
- Online IC systems

ELECTROCHEMISTRY



DNA hybridization and power devices such as fuel cells and batteries are driven by electrochemical processes. Electrochemistry traces the electronic pathways of these natural phenomena and mechanical circuits. Drawing on almost 30 years of experience, Metrohm provides precise measurement solutions for these diverse fields.

Our expertise ranges from traditional electro-analysis methods such as polarography to hyphenated modern techniques including spectro-electrochemistry. Metrohm Autolab launched the first computer controlled digital potentiostat/galvanostat and we have gone on to earn a global reputation for innovation, modularity, accuracy, and advanced software. Our products provide you with a variety of measurement tools, from screen-printed electrodes to complete analysis systems.

- Autolab Potentiostats & Galvanostats
- Cyclic voltammetric stripping (CVS)
- Voltammetry for trace analysis