

MQC+ BENCHTOP NMR

**EASIER,
FASTER,
MORE ACCURATE
QUALITY CONTROL**

OXFORD
INSTRUMENTS

MQC+

nmr.oxinst.com/mqc
magres@oxinst.com

WHAT DOES THE MQC+ ANALYSER DO?



The MQC+ Time Domain Nuclear Magnetic Resonance (TD-NMR) analyser provides fast, easy-to-use and accurate analysis in the food, agriculture, petrochemical, polymer, textile and other industries.

MQC+ replaces wet chemical analysis methods for more responsive manufacturing process control, and higher throughput analyses in quality control or testing laboratories.

It also measures materials' physical properties including polymer crystallinity/density and molecular weight. Simple, intuitive calibration ensures accurate and repeatable results independent of operator, location or environment, meaning users are up and running fast.

WHERE CAN THE MQC+ BE USED?

INDUSTRY	APPLICATIONS
Food	Oil in snack foods, total fat in chocolate, fat in foodstuffs and Solid Fat Content (SFC)
Agriculture	Oil and water in oilseeds and their residues, oil in dried olive paste and oil in dried palm mesocarp
Textile	Spin finish on fibre, also known as Oil Pick-Up (OPU), Finish on Yarn (FoY), lubricant and avivage
Consumer products	Lotion on fabric and fluorine in toothpaste
Petroleum	Hydrogen content in fuel, oil content in waxes and wax content in petroleum products
Polymers	Xylene solubles in polypropylene, plasticiser in PVC, polymer density & crystallinity, oil in rubber and fluorine content
Other	Fluorine in powders (e.g. fluorspar, alumina) and limestone filler in asphalt

If your application is not this list, please contact us at magres@oxinst.com or via your local representative.



WHY CHOOSE THE MQC+ ANALYSER?



NO HAZARDOUS SOLVENTS OR CHEMICALS INVOLVED

More environmentally friendly and safer. Fewer risks for your staff.



ACCURACY

Measure all parts of the sample, not just the surface, even if they are opaque.



SIMPLE OPERATION, MINIMAL TRAINING

Multi-language software with step-by-step operator guidance.



RAPID ANALYSIS

From a few seconds to a few minutes for faster production control.



REPEATABLE AND CERTIFIED RESULTS

Compliant with numerous international industry standards methods.



MINIMAL, NON-DESTRUCTIVE SAMPLE PREPARATION

Simply weigh and condition as required, analyse and re-use samples (if required).



COST-EFFICIENT

Low maintenance and running costs, just requires mains power.

KEY FEATURES

SAMPLING AND SENSITIVITY

Choose from three variants of the MQC+ optimised for: (1) inhomogeneous samples (40 – 100 ml sample volume), (2) sensitivity (0.2 – 14 ml sample volume), and (3) fluorine. Increase throughput further by adding our MQ-Auto sample automation system.

EASY TO MAINTAIN, SIMPLE TRAINING

Rugged, robust hardware and simple calibration routines ensure consistent results independent of operator with industry-leading uptime. MQC+ can be controlled over the internet, or results and diagnostics can be directly emailed to our support team.

VERSATILITY

MQC+ can be fitted with a variety of robust, fast exchange sample holders to easily handle different applications and sample sizes.

A PLATFORM FOR THE FUTURE

MQC+ has been designed for future enhanced capability. This means the platform will benefit from new technology innovations for years to come.



MQC+

MQC+ users often work in demanding, high pressure industries where every minute counts. To make sure our customers get comprehensive support whenever they need it, we have a worldwide fast response service network ready to help you.

Want to put MQC+ to the test? Contact one of our experts and request a demonstration.

We're here to help you!

OiService aims to keep your instrument working as hard as you do. Our global network of service hubs provides a full range of technical support:



Consumables and accessories
Range of sample tubes and other accessories available.



Extended warranties
Avoid unplanned costs.



Online diagnostics
In-depth support over the internet.



Maintenance contracts
Ensure your analyser produces the right result every time.



Repairs
Fast and efficient turnaround.



Telephone help desks
For a fast response to your problem.



Training
Understand your analyser and its features.

Visit nmr.oxinst.com/mqc or you can email us: magres@oxinst.com

