



## ● **MPA II** The new Multi Purpose Analyzer

The FT-NIR spectrometer MPA II is designed to meet the demands of today's and tomorrow's quality control. It combines outstanding flexibility and high performance with an easy-to-operate interface.

- Full line of sample presentation options for all NIR applications
- Software-controlled module selection, no manual exchange required
- Low cost of ownership thanks to high quality components with long life time
- Easy calibration transfer to other Bruker lab, at-line or process spectrometers
- Fully cGMP and 21 CFR Part 11 compliant, supports validation according to USP <1119> and Ph.Eur 2.2.40

### **Maximum Flexibility**

The MPA II offers everything you need for the analysis of liquids, semi-solids, solids, powders and tablets:

- Sample compartment
- Integrating sphere
- Fiber optic probes
- Transmission unit

With powerful accessories like the automated 30-position sample wheel for vials and tablets, the sample rotator for the integrating sphere and many different fiber probes, you will achieve high sample throughput with excellent precision.

### **High Performance FT-NIR**

The MPA II incorporates state-of-the-art optics for outstanding sensitivity and stability. The heart of the instrument is Bruker's permanently aligned RockSolid™ interferometer with gold-coated optics for maximum efficiency and sensitivity. The permanent alignment provides consistent high quality results, less downtime and outstanding stability; a precondition for reliable results and successful calibration transfer.



The MPA II and OPUS/LAB are so easy to use that even untrained staff can measure from day one.



Open sampling positions at all measurement channels with no need to open covers or drawers.



Automatic test routines for OQ and PQ ensure the system is operating at its best at all times.

### Built to Last

Made from robust components, using state-of-the-art solid state laser technology: the MPA II is a future-proof investment. This is why it comes with 10-year warranty on the moving parts of the interferometer as well as on the laser.

### Hassle-Free Maintenance

The MPA II spectrometer is designed to be easily maintained by the user, decreasing downtime and maintenance costs. Light source and desiccant cartridge are easily interchangeable and permanent online diagnostics monitor the instrument and advise the user of any problems.

### Service and Support

If you need us, we are here to help! Bruker Optics is staffed with a large group of scientists and engineers to respond to your needs:

- Applications support
- Comprehensive training courses
- Worldwide service

### Easy Operation

Customizable workspaces as well as easy measurement modes which guide you through the setup of analytical methods are

standard in the OPUS spectroscopy software. Measurements can be started with a mouse click or at the touch of a button.

### Software

The OPUS measurement software with integrated database support and additional OPUS packages make the MPA II easy to operate:

- OPUS/NIRLAB: Dedicated QA/QC software combining OPUS/LAB with qualitative and quantitative evaluation routines
- ONET: Web based application to setup, administrate and control a network of FT-NIR instruments from anywhere in the world
- OPUS/IDENT: Setup of identification methods with hierarchical libraries
- OPUS/CONFO: Setup of conformity test methods
- OPUS/QUANT: Setup of self-optimizing chemometric quantification methods

### Validation

Trust your results with Bruker Optics' OPUS/VALIDATION package and the OPUS spectroscopy software:

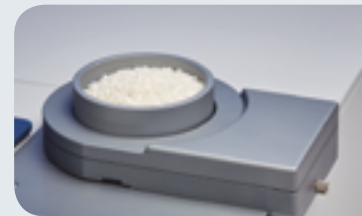
- Full 21 CFR Part 11 compliance
- Full GMP compliance
- IQ/OQ/PQ support



**Sample Compartment** for temperature-controlled transmission measurements of vials and cuvettes.



**Fiber Optic Probes** for transmission and reflectance measurements directly inside the sample containers.



**Integrating Sphere** for measuring solids, semi-solids and heterogeneous materials in diffuse reflection.



**Transmission Unit** with optional sample wheel for the automated analysis of tablets in transmission.

**Bruker Optics is ISO 9001 and ISO 13485 certified.**

Laser class 1 product.

Technologies used are protected by one or more of the following patents:  
US 7034944

[www.bruker.com/optics](http://www.bruker.com/optics)

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