



## ● **MPA** Multi Purpose Analyzer

Bruker Optics' successful FT-NIR spectrometer MPA, is designed to meet the demands of today's and tomorrow's laboratories. It combines outstanding flexibility and high performance with an easy-to-operate interface.

- Full line of sampling accessories
- Software-controlled accessory selection
- 21 CFR Part 11 compliance
- Validation
- Automation
- Calibration Transfer
- High sensitivity

### **Easy Operation**

Customizable workspaces, easy measurement modes and wizards to guide you through the setup of analytical methods are standard in the OPUS spectroscopy software. All instrument parameters can be set with a mouse click.

### **Online PerformanceGuard**

Online PerformanceGuard is the insurance for accurate results. All optical components, automation units and accessories of the MPA are monitored continuously.

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

The MPA incorporates state-of-the-art optics for outstanding sensitivity and stability. The heart of the instrument is Bruker's permanently aligned RockSolid™ interferometer, which is equipped 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 successful calibration transfer.



FT-NIR spectrometer in base configuration



OPUS/LAB, the user-friendly software for the daily routine analysis.



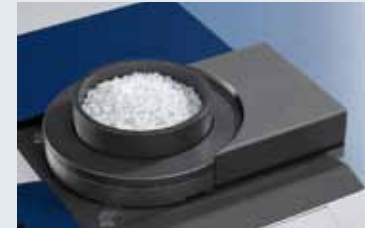
The display indicates the instrument status and whether the measurement passed or failed.



**Sample Compartment** for the easy measurement of cuvettes. An optional sample heater is available.



**Fiber Optic Probes** for measuring samples directly in sample containers.



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



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

## Hassle-Free Maintenance

The MPA spectrometer is designed to be easily maintained by the user, thereby decreasing downtime and maintenance costs. Permanent online diagnostics monitor the instrument and advise the user of any problems.

## Flexibility

The MPA offers everything you need for the analysis of liquids, solids, powders and tablets. With powerful accessories like the 30-position sample wheel, which can be used for vials and tablets, the sample rotator for the integrating sphere or up to two different fiber probes you achieve high sample throughput with excellent precision.

## Expandability

The MPA sample compartment configuration can be upgraded by additional sampling accessories:

- Fiber optic probes
- Integrating sphere
- Transmission unit
- Automated sample wheel
- Sample rotator

## Service and Support

Bruker Optics is staffed with a large group of scientists and engineers to respond to your needs:

- Applications support
- Comprehensive training courses
- Worldwide service

## Software

The OPUS/IR measurement software and the additional OPUS packages make the MPA easy to operate:

- OPUS/LAB: Dedicated QA/QC software
- OPUS/IDENT: Identification with hierarchical libraries
- OPUS/QUANT: Self-optimizing chemometric quantification software

## 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

Technologies used are protected by one or more of the following patents:  
US 7034944; US 5923422; DE 19704598

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

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Laser class 1 product.  
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