



DS2500 Solid Analyzer

2.922.0010

Sólida espectroscopía del infrarrojo cercano para control de calidad en laboratorio y entorno de producción.

El DS2500 Analyzer es la solución probada y flexible para los análisis rutinarios de sólidos, cremas y, opcionalmente, también líquidos a lo largo de toda la cadena de producción. Su diseño robusto hace que el DS2500 Analyzer sea resistente al polvo, la humedad, las vibraciones y los cambios de temperatura, lo que hace que sea especialmente adecuado para el uso en entornos de producción muy difíciles.

El DS2500 cubre toda la gama espectral de 400 a 2500 nm y proporciona en menos de un minuto resultados precisos y reproducibles. El DS2500 Analyzer cumple los requisitos de la industria farmacéutica y gracias a su manejo sencillo ayuda al usuario a realizar las tareas rutinarias diarias.

Gracias a los accesorios perfectamente adaptados al aparato se logran los mejores resultados posibles incluso con los tipos de muestra más difíciles, por ejemplo, la materia sólida de grano grueso como los gránulos o las muestras semilíquidas como las cremas. Al medir la materia sólida, se puede aumentar la productividad con el uso de la MultiSample Cup, que permite realizar medidas automatizadas en serie de hasta 9 muestras.

Partes/accesorios 2.922.0010

Qt.	Order no.	Descripción
-----	-----------	-------------

1 PCS	1.922.0010	NIRS DS2500 Analyzer
-------	------------	----------------------

Robust near-infrared spectroscopy for routine analysis in the production environment

The NIRS DS2500 Analyzer is the tried and tested, low-cost solution for the routine analysis of both solid and liquid samples along the entire production chain. Its robust design makes the NIRS DS2500 Analyzer resistant to dust, moisture, vibrations, and temperature fluctuations, which means that it is eminently suited for use in harsh production environments.

The NIRS DS2500 Analyzer covers the entire spectral range from 400 to 2,500 nm and delivers accurate, reproducible results in under a minute. The NIRS DS2500 Analyzer meets the demands of the pharmaceutical industry and supports the users in their day-to-day tasks thanks to its simple operation.



1 PCS	6.7430.040	DS2500 Holder
-------	------------	---------------

Holder for use with:

- Small sample vessels (6.7402.030)
- DS2500 Iris (6.7425.100)



Accesorios opcionales

Order no.	Descripción
6.6072.207	Vision Air 2.0 Network Complete

Vision Air - Universal spectroscopy software.

Vision Air Network is a modern and simple-to-operate software solution. The network version enables the structuring of a global server-client network with a central database.



Overview of the advantages of Vision Air:

- Individual software applications with adapted user interfaces ensure intuitive and simple operation
- Centralized data and instrument management
- Simple configuration and updating of several devices in just a few steps

The Vision Air Network Complete version (66072207) contains all applications for quality assurance using Vis-NIR spectroscopy:

- Application for a global instrument and data management
- Application for method development
- Application for routine analysis

Vision Air - Universal spectroscopy software.

Vision Air Complete is a modern and simple-to-operate software solution for use in a regulated environment.



Overview of the advantages of Vision Air:

- Individual software applications with adapted user interfaces ensure intuitive and simple operation
- Simple creation and maintenance of operating procedures
- SQL database for secure and simple data management

The Vision Air Complete version (66072208) includes all applications for quality assurance using Vis-NIR spectroscopy:

- Application for instrument and data management
- Application for method development
- Application for routine analysis

Additional Vision Air Complete solutions:

- 66072207 (Vision Air Network Complete)
- 66072209 (Vision Air Pharma Complete)
- 66072210 (Vision Air Pharma Network Complete)

Vision Air - Universal spectroscopy software.

Vision Air Pharma Complete is a modern and simple-to-operate software solution for use in regulated environments.



Overview of the advantages of Vision Air:

- Individual software applications with adapted user interfaces ensure intuitive and simple operation
- Simple creation and maintenance of operating procedures
- SQL database for safe and simple data management
- In compliance with all requirements pursuant to Title 21 CFR Part

11

The Vision Air Pharma Complete version (66072209) contains all applications for quality assurance using Vis-NIR spectroscopy:

- Application for instrument and data management
- Application for method development
- Application for routine analysis

Vision Air - Universal spectroscopy software.

Vision Air Pharma Network Complete is a modern and simple-to-operate software solution. The network version enables the setup of a global server-client network with a central database.



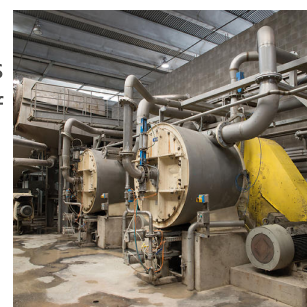
Overview of the advantages of Vision Air:

- Individual software applications with adapted user interfaces ensure intuitive and simple operation
- Centralized data and instrument management
- Simple configuration and updating of several instruments in just a few steps
- In compliance with all requirements pursuant to Title 21 CFR Part 11

The Vision Air Pharma Network Complete version (66072210) contains all applications for quality assurance using Vis-NIR spectroscopy:

- Application for a global instrument and data management
- Application for method development
- Application for routine analysis

Pre-calibration for the determination of the kappa number and density as well as breaking, tensile and buckling strength in wood pulp by means of NIR spectroscopy.



6.6072.308

Pre-calibration for polyethylene (PE)

Pre-calibration for determination of intrinsic viscosity and density in polyethylene using NIR spectroscopy.



6.6072.309

Pre-calibration for polypropylene (PP)

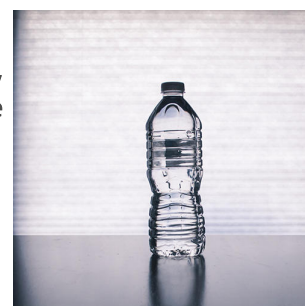
Pre-calibration for determination of the melt flow index in polypropylene using NIR spectroscopy.



6.6072.310

Pre-calibration for PET

Pre-calibration for determination of intrinsic viscosity, acid number, diethylene glycol content, and isophthalic acid content in poly(ethylene terephthalate) (PET) using NIR spectroscopy.



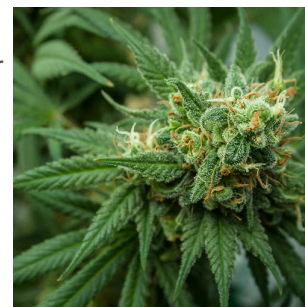
6.6072.311

Pre-calibration for polyamide (PA 6)

Pre-calibration for determination of relative viscosity, carboxyl end-group content, and amine end-group content in polyamides (PA 6) using NIR spectroscopy.



Pre-calibration for the determination of the THC, CBD, CBG and water content of mortared and dried cannabis flowers using NIR spectroscopy.



Pre-calibration for the determination of the dry mass of the fat content, the nitrogen content, the water content, and the calorie content using NIR spectroscopy



The NIRS Liquid Sample Kit Transflection supplements the following instruments with the function of the transflection measurement of liquids:

- NIRS DS2500 Analyzer (order number: 2.922.0010)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
- NIRS XDS MultiVial Analyzer (order number: 2.921.1120)
- NIRS XDS RapidContent Analyzer (order number: 2.921.1110)
- NIRS XDS RapidContent Analyzer - Solids (order number: 2.921.1210)



Optically flat transfection vessel for the spectral measurement of liquids.
Can be used in combination with the following instruments:

- NIRS DS2500 Analyzer (order number: 2.922.0010)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
- NIRS XDS MultiVial Analyzer (order number: 2.921.1120)
- NIRS XDS RapidContent Analyzer (order number: 2.921.1110)
- NIRS XDS RapidContent Analyzer - Solids (order number: 2.921.1210)



The disposable backs are used for the secure sealing of the mini sample cups. The sample cups are used in the following:

- NIRS DS2500 Analyzer (order number: 2.922.0010)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
- NIRS XDS RCA Analyzer (order number: 2.921.1110)
- NIRS XDS MultiVial Analyzer (order number: 2.921.1210)



The package is comprised of 100 disposable backs.

Mini sample cup for the spectral recording of powders and granulates in reflection. The sample cup can be sealed with disposable backs in order to avoid sample loss and for the uniform distribution of the powder or granulate in the sample cup.



The sample cups are used with the following instruments:

- NIRS DS2500 Analyzer (order number: 2.922.0010)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
- NIRS XDS MultiVial Analyzer (order number: 2.921.1120)
- NIRS XDS RapidContent Analyzer (order number: 2.921.1110)
- NIRS XDS RapidContent Analyzer - Solids (order number: 2.921.1210)

6.7402.050

DS2500 large sample cup

Large sample cup for the spectral recording of powders and granulates in reflection at various sample positions using the NIRS DS2500 Analyzer.



6.7402.060

NIRS DS2500 large sample cup, 5 pcs.

Set of five large sample cups for the spectral measurement of powders and granulates in reflection using the NIRS DS2500 Analyzer.



6.7402.110

Disposable vials, 15 mm, reflection

123 lockable disposable glass vials with a diameter of 15 mm for analyses of solids in reflection. Suitable for NIRS RapidContent (Solid) Analyzers of the XDS, DS2500 and OMNIS product families.



6.7402.120

Disposable vials, 19 mm, reflection

225 lockable disposable glass vials with a diameter of 19 mm for analyses of solids in reflection. Suitable for NIRS RapidContent (Solid) Analyzers of the XDS, DS2500 and OMNIS product families.



6.7402.130

Disposable vials, 22 mm, reflection

172 lockable disposable glass vials with a diameter of 22 mm for analyses of solids in reflection. Suitable for NIRS RapidContent (Solid) Analyzers of the XDS, DS2500 and OMNIS product families.



6.7402.140

Disposable vials, 28 mm, reflection

216 lockable disposable glass vials with a diameter of 28 mm for analyses of solids in reflection. Suitable for the following analyzers:

- NIRS DS2500 Analyzer
- NIRS XDS RapidContent (Solid) Analyzer
- NIRS XDS MultiVial Analyzer
- NIRS XDS MasterLab Analyzer



6.7402.150

DS2500 lid for large sample cup

Lid for the large sample vessel for the DS2500 Analyzer.



6.7402.200

Stopper for 6.7402.110

123 stoppers for 15 mm Reflection disposable vials.



6.7402.210

Stopper for 6.7402.120

225 stoppers for 19 mm Reflection disposable vials.



6.7402.220

Stopper for 6.7402.130

172 stoppers for 22 mm Reflection disposable vials.



6.7402.230

Stopper for 6.7402.140

216 stoppers for 28 mm Reflection disposable vials.



6.7420.000

NIRS gold diffuse reflector, 1 mm total pathlength

Gold diffuse reflector for the transfection measurement of liquids. Can be used in combination with the following instruments:

- NIRS DS2500 Analyzer (order number: 2.922.0010)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
- NIRS XDS MultiVial Analyzer (order number: 2.921.1120)
- NIRS XDS RapidContent Analyzer (order number: 2.921.1110)
- NIRS XDS RapidContent Analyzer - Solids (order number: 2.921.1210)



6.7420.010

NIRS gold diffuse reflector, 2 mm total pathlength

Gold diffuse reflector for the transfection measurement of liquids. Can be used in combination with the following instruments:

- NIRS DS2500 Analyzer (order number: 2.922.0010)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
- NIRS XDS MultiVial Analyzer (order number: 2.921.1120)
- NIRS XDS RapidContent Analyzer (order number: 2.921.1110)
- NIRS XDS RapidContent Analyzer - Solids (order number: 2.921.1210)



6.7420.020

NIRS gold diffuse reflector, 4 mm total pathlength

Gold diffuse reflector for the transfection measurement of liquids. Can be used in combination with the following instruments:

NIRS DS2500 Analyzer (order number: 2.922.0010)
NIRS XDS MasterLab Analyzer (order number: 2.921.1310)
NIRS XDS MultiVial Analyzer (order number: 2.921.1120)
NIRS XDS RapidContent Analyzer (order number: 2.921.1110)
NIRS XDS RapidContent Analyzer - Solids (order number: 2.921.1210)



6.7425.100

DS2500 Iris

The iris for the DS2500 with a variably adjustable diameter of up to 36 mm enables you to perform flexible reflection measurement investigations of samples in vials.

The iris for the DS2500 is used in the holder for small sample vessels.
Order number: 6.7430.040



6.7430.050

Spare lamp for NIRS DS2500

Spare lamp with 12.0 V and 35 W for NIRS DS2500 Analyzer



6.7430.060

Micro Fiber Cleaning Cloth

Cleaning cloth for monitors and optics.



6.7450.000

NIRS reflection standard, set of 2

Set of wavelength standard and 80% reflection standard for the calibration of an NIRS XDS MasterLab Analyzer, NIRS XDS RCA Analyzer, NIRS XDS MultiVial Analyzer, NIRS XDS SmartProbe Analyzer, NIRS XDS Interactance OptiProbe Analyzer and NIRS DS2500 Analyzer.



6.7450.010

NIRS reflection standard, set of 7

Set comprised of six reflection standards and one wavelength standard for the calibration of an NIRS XDS MasterLab Analyzer, NIRS XDS RCA Analyzer, NIRS XDS MultiVial Analyzer, NIRS XDS SmartProbe Analyzer, NIRS XDS Interactance OptiProbe Analyzer and NIRS DS2500 Analyzer in regulated environments.



6.7490.430

DS2500 Slurry Cup

The Slurry Cup is the ideal sample cup for analyzing high-viscosity substances with the DS2500. The positioning of pastes and creams in the Slurry Cup is made simple by its open design, which also permits rapid and effective cleaning.

In combination with the Liquid Kit (6.7400.010), clear viscous samples can also be investigated.



6.7490.440

DS2500 MultiSample Cup 15 mm

DS2500 MultiSample Cup for nine 15 mm vials.



6.7490.450

DS2500 MultiSample Cup 19 mm

DS2500 MultiSample Cup for eight 19 mm vials.



6.7490.460

DS2500 MultiSample Cup 22 mm

DS2500 MultiSample Cup for seven 22 mm vials.



6.7490.470

DS2500 MultiSample Cup 28 mm

DS2500 MultiSample Cup for six 28 mm vials.



6.7490.480

Lid for large sample cup (black)

Lid (black) for the large sample cup for the DS2500 Analyzer.

