



NIRS DS2500 Polymer Analyzer

2.922.1000

Robust near-infrared spectroscopy for quality control of polymers, not only in laboratories, but also in production environments.

The NIRS DS2500 Polymer Analyzer is the tried and tested, flexible solution for quality control and routine analysis of PE, PP, PET, polyamide, and other polymers in solid form along the entire production chain. Resistant to dust, moisture, vibrations, and temperature fluctuations, the NIRS DS2500 Polymer Analyzer is not only suitable for laboratory use, but also use in harsh production environments.

The NIRS DS2500 Polymer Analyzer covers the full spectral range from 400 to 2,500 nm and delivers accurate results in less than one minute. The NIRS DS2500 Polymer Analyzer is ready for immediate use through pre-calibrations for PE, PP, PET, and polyamide (PA 6) and, thanks to its simple operation, supports users in their day-to-day routine tasks.

Below, the accessories are grouped into Scope of delivery and Optional accessories.

Please keep this printout at hand for ordering replacement material.

These lists may be subject to change.

Scope of delivery 2.922.1000

Qt.	Order no.	Description
-----	-----------	-------------

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	6.6072.150	Voucher for polymer pre-calibration
-------	------------	-------------------------------------

Voucher for one pre-calibration. Authorization for the ordering of one polymer pre-calibration (PP, PE, PP or polyamides)



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)

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



1 PCS

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



1 PCS

6.7430.040

DS2500 Holder

Holder for use with:

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



1 PCS





6.7490.480

Lid for large sample cup (black)

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



Optional accessories

Order no.	Description	
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.	

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.



6.7430.060 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.



6.7490.440 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.

