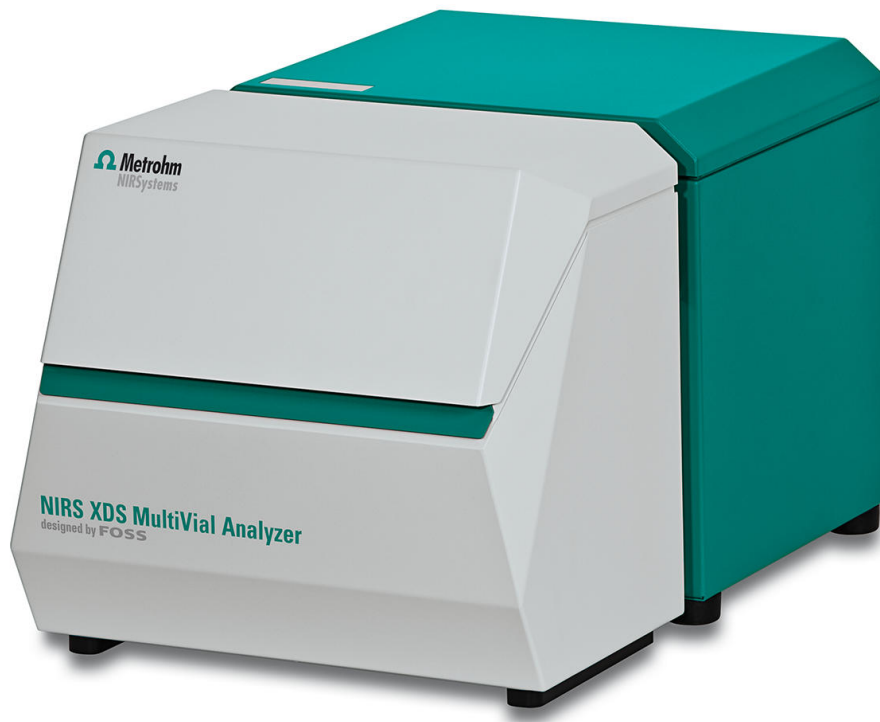




NIRS XDS MultiVial Analyzer

2.921.1210

Rapid, nondestructive analyses of solids in vials

The NIRS XDS MultiVial Analyzer enables rapid, nondestructive analyses of solid powders, coarser granulates, pellets or flakes.

Composition or material identification testing is performed either in the laboratory or at-line, on samples contained in their original packaging, bags or vials. An optional variable spot-size feature enables the sample illumination to be adjusted based on the physical properties of your samples.

The measurement of liquid samples succeeds through the addition of the NIRS Transflection Kit for liquid samples (order number: 6.7400.010).

Entire sample series are analyzed under full automation conditions with the MultiVial Analyzer. The NIRS XDS MultiVial Analyzer is equipped for this purpose with a sample slide that can be moved in x and y direction.

MultiVial trays for vials and/or tablets are available with predefined numbers of boreholes and bore sizes, although individual customized versions can also be produced to meet specific customer requirements.

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 2.921.1210

Qt.	Order no.	Description
1 PCS	1.921.0010	NIRS XDS Monochromator

The result of 50 years experience in the area of spectroscopy was incorporated in the development of this NIRSystems spectrometer. The unique technology improves the signal-noise ratio at high resolution and enhances accuracy and precision. The patented monochromator and the modular design of the measuring module system make NIRSystems instruments indispensable for the spectral measurement of every imaginable sample type in the visible and near-infrared wavelength range (400 - 2,500 nm). The measuring modules can be replaced without difficulty, even during operation. This means that the user profits from the great flexibility in all areas of application.



1 PCS	1.921.0210	NIRS XDS MultiVial Module
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Rapid nondestructive analyses of solids in vials

The NIRS XDS MultiVial Analyzer enables rapid, nondestructive analyses of the identity and quality of solid material samples that are transferred into vials. Entire sample series can be analyzed; the NIRS XDS MultiVial Analyzer is equipped for this purpose with a sample slide that can be moved in x and y direction. An optional coarse granular sample cell for coarse granular substances extends the range of possible applications to include practically all solid forms ranging from fine powders to coarse granular materials, e.g., pellets and flakes.



1 PCS

6.7400.000

NIRS XDS accessory kit

Accessory kit for NIRS XDS laboratory monochromators



1 PCS

6.7425.000

NIRS XDS iris

Iris for focusing mini sample vessels, reflection standard, various vials or a transfection vessel in the NIRS XDS RCA Analyzer, the NIRS XDS MasterLab Analyzer and the NIRS XDS MultiVial Analyzer



1 PCS

6.7410.000

NIRS XDS tray for reflection standard

A reflection standard is required for the calibration of the monochromator with the sample module.

A holder in which the standard is positioned is used to fasten the calibration standard in place.

A reflection standard and its associated holder are required for:

- NIRS XDS MultiVial Analyzer (order number: 29211210)
- NIRS XDS MasterLab Analyzer (order number: 2.921.1310)



Optional accessories

Order no.	Description	
6.7402.030	NIRS mini sample cups, 10 pcs. including 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)	
6.7430.010	NIRS XDS lab spare parts kit	
	NIRS XDS spare parts kit of the lab instrument is comprised of two spare lamps, two fan filters and four fuses.	
6.7430.000	NIRS XDS lab spare lamp	
	Spare lamp with 12 V and 50 W for the monochromator of the NIRS XDS laboratory instruments	

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.



6.7402.040

NIRS XDS coarse granular sample cell

NIRS XDS coarse granular sample cell for the reflection measurement of samples with different surface properties.



6.7410.010

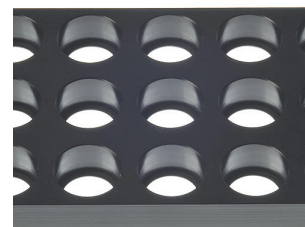
NIRS MultiVial tray for 4x5 15 mm vials

NIRS MultiVial tray for 4x5 15 mm vials



6.7410.020 NIRS MultiVial tray for 3x5 19 mm vials

NIRS MultiVial tray for 3x5 19 mm vials



6.7410.030 NIRS MultiVial tray for 3x5 22 mm vials

NIRS MultiVial tray for 3x5 22 mm vials



6.7410.040 NIRS MultiVial tray for 2x3 27 mm vials

NIRS MultiVial tray for 2x3 27 mm vials



6.7410.050 NIRS MultiVial tray for 2x3 29 mm vials

NIRS MultiVial tray for 2x3 29 mm vials



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)



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 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 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

6.7401.000

NIRS transflection vessel, optically flat

Optically flat transflection 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.

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)



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 transreflection 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)



6.7430.060 Micro Fiber Cleaning Cloth

Cleaning cloth for monitors and optics.



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



6.7402.220 Stopper for 6.7402.130

172 stoppers for 22 mm Reflection disposable vials.



6.7402.210 Stopper for 6.7402.120

225 stoppers for 19 mm Reflection disposable vials.



6.7402.230

Stopper for 6.7402.140

216 stoppers for 28 mm Reflection disposable vials.



6.7402.200

Stopper for 6.7402.110

123 stoppers for 15 mm Reflection disposable vials.

