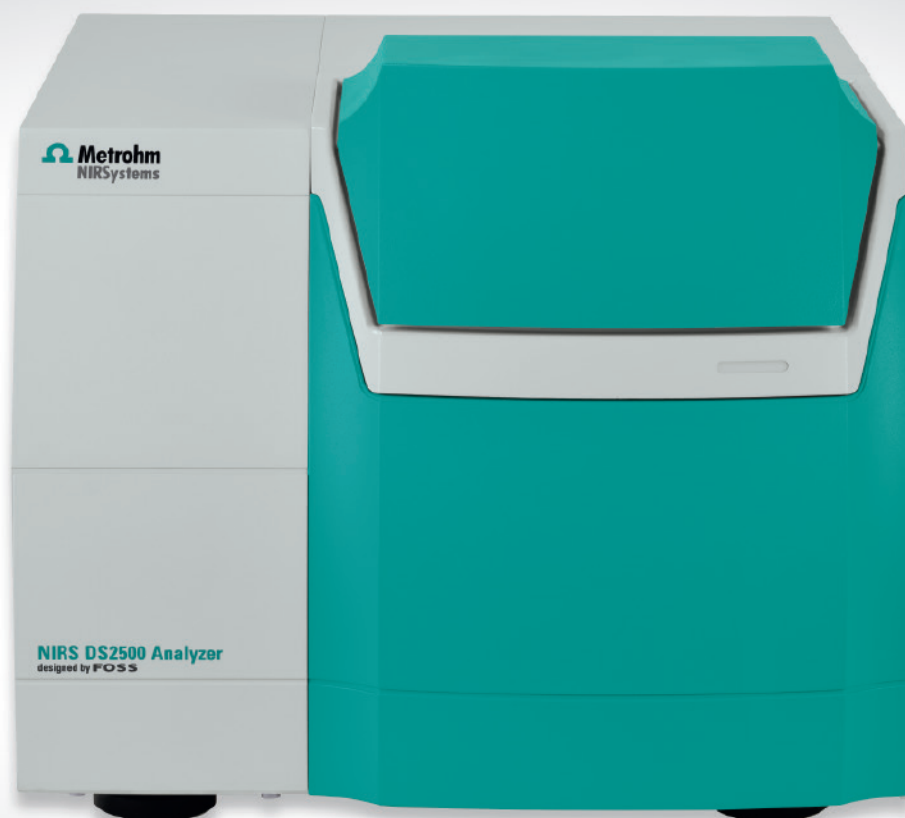


NIRS DS2500 Solids Analyzer



Robust near-infrared spectroscopy for quality control of solids, creams and liquids



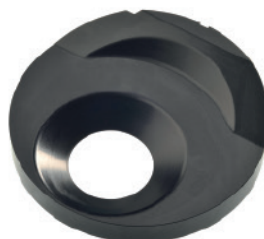
The NIRS DS2500 Solids Analyzer is the tried-and-tested solution for routine analysis of solids and cream samples in reflection. The NIRS DS2500 covers the entire visible and near-infrared spectral range from 400 to 2500 nm and provides accurate, reproducible results in less than 30 seconds. Optionally, the instrument can also measure liquid samples with the help of the transfection kit, a dedicated accessory. For users aiming to increase their throughput the multisampler cup accessory allows the automated measurement of up to 9 samples.

The NIRS DS2500 analyzer meets the regulatory demands of the pharmaceutical industry and supports the users in their day-to-day tasks owing to its simple operation with the intuitive Vision Air software. Thanks to its robust and compact design, the NIRS DS2500 instrument is resistant to dust, moisture, vibrations and temperature fluctuations,

thus allowing it to be used even in harsh production environments, e.g., atline reaction monitoring. The NIRS DS2500 is ideal for:

Use during the complete production cycle:

- Quickly checking the identity and quality of raw materials
- Monitoring the quality of ongoing production
- Simultaneous determination of multiple parameters in the quality control of finished products



Vision Air Software

Metrohm's Vision Air software ensures you get the most out of your DS2500 solids analyzer. The modern user-interface provides for a unique user experience with intuitive operation, state-of-the art user management and clear indications of pass/fail results. QC managers can rely on the software's security features, such as full compli-

ance, secure database and limiting access to instrument settings and method modifications only to authorized and skilled users. For larger de-centralized companies, the Vision air network server solution allows SOPs to be distributed to multiple instruments across various locations and to store and access all data centrally.

User benefits with DS2500

- Flexibility – suitable for solids, creams and liquids
- Productivity – increased throughput with multisampler cup
- Peace-of-mind – FDA compliant software

Key features

- Analyses across the entire visible and NIR spectral range (400–2 500 nm)
- IP65 protection – Robustness and accurate results even in harsh environments
- Supporting various accessories for improved productivity

Technical specifications

Measuring mode	Reflection and transfection
Wavelength range	400–2 500 nm
Protection class	IP65
Data collection speed	1 scan/s
Data point interval	0.5 nm
Wavelength accuracy (currently recognized standard)	< 0.05 nm (SRM 1920)
Wavelength precision¹	< 0.005 nm
Bandpass	8.75 ±0.10 nm
Noise (RMS)	
400–700 nm	< 100 micro AU
700–2 500 nm	< 50 micro AU
Dimensions (W × H × D)	375 × 300 × 490 mm (14.8" × 11.8" × 19.3")
Operating temperature range	5–40 °C (41–104 °F)
Relative humidity	93% RH, non-condensing

¹ based on a single analyzer

Ordering information

2.922.0010 NIRS DS2500 Analyzer

Comprised of:

- 1.922.0010 NIRS DS2500 Analyzer
- 6.7400.030 NIRS DS2500 accessory kit
- 6.7430.040 NIRS Mini Sample Cup Holder for DS2500
- 8.922.8001EN Manual for NIRS DS2500 Analyzer

Requires Vision Air software (select one of the following versions)

- 6.6072.208 Vision Air 2.0 Complete
- 6.6072.207 Vision Air 2.0 Network Complete
- 6.6072.209 Vision Air 2.0 Pharma Complete
- 6.6072.210 Vision Air 2.0 Pharma Network Complete

Requires certified standards (select one of the following)

- 6.7450.000 NIRS reflection standard, set of 2
- 6.7450.010 NIRS reflection standard, set of 7 (for the regulated environment)

Optional Accesories

- 6.7400.010 NIRS liquid sample kit transfection (6 transfection vessels, 3 diffuse reflectors, gold, with total pathlengths of 1 mm, 2 mm, and 4 mm)
- 6.7420.000 NIRS diffuse reflector, gold, 1 mm total pathlength
- 6.7420.010 NIRS diffuse reflector, gold, 2 mm total pathlength
- 6.7420.020 NIRS diffuse reflector, gold, 4 mm total pathlength
- 6.7401.000 Transfection vessel, optically flat
- 6.7402.020 NIRS disposable backs for 6.7402.030, 100 pcs.
- 6.7402.030 NIRS mini sample cups, 10 pcs. incl. 100 disposable backs
- 6.7402.050 NIRS DS2500 large sample cup
- 6.7425.100 NIRS DS2500 Iris

Optional Multisampler Accesories

- 6.7490.440 DS2500 Multisampler Cup 15 mm (fits 9 vials of 15 mm diameter)
- 6.7490.450 DS2500 Multisampler Cup 19 mm (fits 8 vials of 19 mm diameter)
- 6.7490.460 DS2500 Multisampler Cup 22 mm (fits 7 vials of 22 mm diameter)
- 6.7490.470 DS2500 Multisampler Cup 28 mm (fits 6 vials of 28 mm diameter)

- 6.7402.110 NIRS Disposable Glass Vials 15 mm, 192 pcs.
- 6.7402.120 NIRS Disposable Glass Vials 19 mm, 232 pcs.
- 6.7402.130 NIRS Disposable Glass Vials 22 mm, 192 pcs.
- 6.7402.140 NIRS Disposable Glass Vials 28 mm, 216 pcs.

- 6.7402.200 NIRS Vial cap 15 mm, 192 pcs.
- 6.7402.210 NIRS Vial cap 19 mm, 232 pcs.
- 6.7402.220 NIRS Vial cap 22 mm, 192 pcs.
- 6.7402.230 NIRS Vial cap 28 mm, 192 pcs.

www.metrohm.com/spectroscopy

