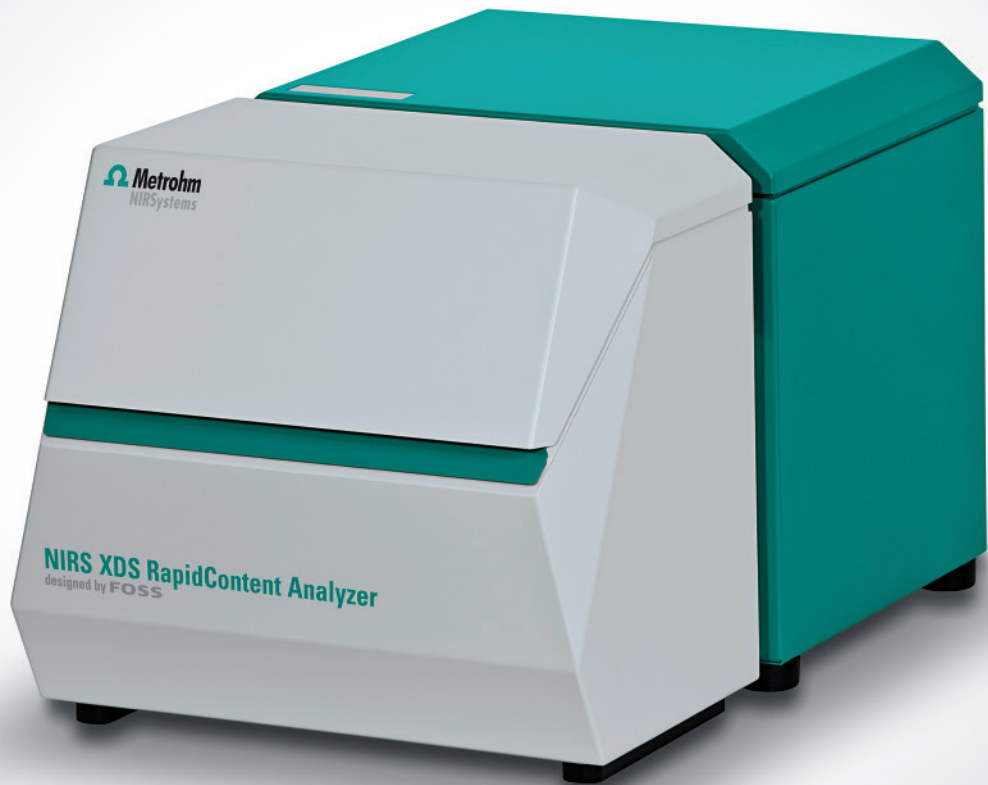


# NIRS XDS RapidContent Analyzer



Fast, non-destructive analyses of solid and liquid substances

The NIRS XDS RapidContent Analyzer enables straightforward, non-destructive analyses of solid and liquid substances and formulations. The iris provides for exact centering of the sample increasing the reproducibility of the analysis. A diffuse reflector, made of gold, makes measuring liquid samples possible. The NIRS XDS RapidContent Solids Module extends the scope of application to almost any form of solid sample; whether it be in the form of fine powders, coarser granulates, pellets, or flakes.

**The NIRS XDS RapidContent Analyzer is ideal for:**

- straightforward, non-destructive analyses of non-homogenous solids
- determining the identity and quality of individual samples
- replacing more costly routine tests



## Benefits for the user

- Saves time – no need to prepare samples; provides analysis results in real-time
- Simple to use – results at the press of a button
- Convenient – sample materials can be identified in their original packaging (bags, vials, etc.)

## Key features

- Optimal sample analysis by adapting the measuring spot to the diameter of the sample vials
- Universal interface for quickly changing the measuring modules in just seconds
- Network-compatible – central result and data management (client-server solution)

## Technical specifications

<b>Measuring mode</b>	Reflection and transflection
<b>Sample interface</b>	Direct analysis
<b>Wavelength range</b>	400–2,500 nm
<b>Measuring module</b>	Hot-swappable
<b>Detectors</b>	Silicon (400–1,100 nm), lead sulfide (1,100–2,500 nm)
<b>Data collection speed</b>	2 scans/s
<b>Data point interval</b>	0.5 nm
<b>Wavelength accuracy (currently recognized standard)</b>	< 0.05 nm (SRM 1920)
<b>Wavelength precision<sup>1</sup></b>	< 0.005 nm
<b>Wavelength precision<sup>2</sup> (instrument to instrument)</b>	< 0.020 nm
<b>Stray light</b>	< 0.1% at 2,300 nm
<b>Photometric linearity</b>	< 1% of the measured value
<b>Bandpass</b>	8.75 ± 0.10 nm
<b>Noise (RMS)</b>	
400–700 nm	< 50 micro AU
700–2,500 nm	< 20 micro AU
<b>Weight</b>	38.0 kg (83.0 lbs)
<b>Dimensions (W × H × D)</b>	380 × 346 × 559 mm (15" × 13.6" × 22")
<b>Operating temperature range</b>	4.5–35°C (40–95°F)
<b>Relative humidity</b>	10–90% RH, non-condensing

<sup>1</sup> based on a single analyzer

<sup>2</sup> based on a group of analyzers

# Ordering information

## 2.921.1110 NIRS XDS RapidContent Analyzer

### Comprised of:

- 1.921.0010 NIRS XDS Monochromator
- 1.921.0110 NIRS XDS RapidContent Module
- 6.7425.000 NIRS XDS iris
- 6.7400.000 NIRS XDS accessory kit
- 8.921.8001EN Manual for NIRS XDS RapidContent Analyzer

## 2.921.1120 NIRS XDS RapidContent Solids Analyzer

### Comprised of:

- 1.921.0010 NIRS XDS Monochromator
- 1.921.0120 NIRS XDS RapidContent Solids Module
- 6.7425.000 NIRS XDS iris
- 6.7400.000 NIRS XDS accessory kit
- 6.7402.040 NIRS XDS coarse granular sample cell
- 6.7410.000 NIRS XDS tray for reflection standard
- 8.921.8001EN Manual for NIRS XDS RapidContent 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)

### Accessories

- 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)
- 6.7401.000 NIRS 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
- 6.7420.000 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

[www.metrohm-nirs.com](http://www.metrohm-nirs.com)