

# Moving from System II to Metrohm NIRSystems Analyzers



NIRS XDS and DS2500 analyzers for lab and process  
Upgrade to our new and high performance

# New Features for Higher Performance

## Overall Benefits

- Higher Precision
- Higher Accuracy
- More Energy
- 2 × Faster Scan Rate
- More Data Points
- Extended Wavelength



## Upgraded Lamp Source

A more powerful lamp module uses a patented reflector to maximize the intensity of light at the sample. This improves the signal-to-noise ratio and reproducibility of your measurements. The pre-aligned lamp module is easy to install. No service call is necessary, saving you time and money.

## Updated XDS Grating

Our patented, off-axis digital synchronous (XDS) holographic grating has higher efficiency and a higher resolution encoder, providing improved signal-to-noise and 4x more data points per acquired spectrum. Digital scanning allows for forward and backward scanning resulting in a scan rate twice as fast as the System II.

## Mono and Enclosure

The new enclosure is completely sealed to keep internal components free from dirt and moisture. This allows the rugged instrument to be used in the lab or more harsh environments as no air is exchanged with the surrounding environment.

The improved internal standards automatically check and improve the wavelength accuracy and photometric response. The XDS system automatically scans the internal reference and standards with the simple push of a button.



# Metrohm Facilitates your NIR model transfer for a worry-free upgrade

## Additional Benefits

- Ethernet communication
- Instrument Status Displays
- Hot-Swappable Modules
- Improved electronics

### Upgrade System II Analyzers ...

### to Metrohm NIRSystems Analyzers



Model 5000 or 6500  
Content Analyzer

Automatic Internal Reference  
Optional Spot Size Adjustment  
Automation Options



DS2500



XDS RapidContent Analyzer

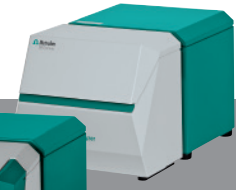


System II Transport

Internal Reference Sample  
Rapid Analysis of Solids or Liquids  
Liquid Kit Available



DS2500



XDS RapidContent Analyzer



XDS RapidLiquid Analyzer



System II Probe

Internal Probe Holder  
Improved Fiber Protection  
Quick-Change Probes (Solid to Liquid)



XDS SmartProbe Analyzer



System II Liquid Analyzer

Sealed Stainless Steel Sample Box  
Stable Internal Temperature  
Sample Temperature Control



XDS RapidLiquid Analyzer



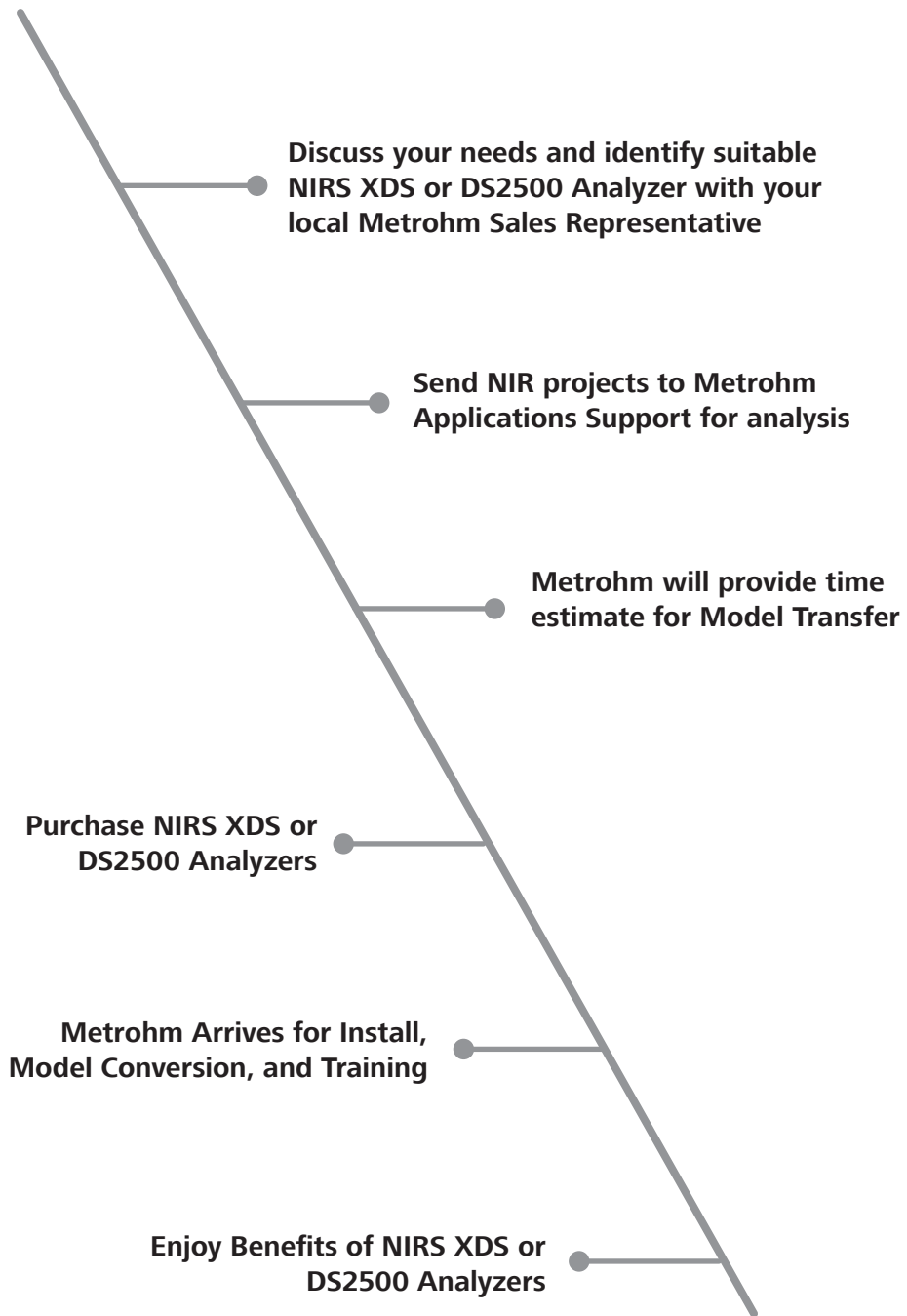
System II Process

Higher Sensitivity InGaAs Detector  
Supports All Communication  
Improved Reproducibility



XDS Process Analyzer

# Easy Steps to Metrohm NIRSystems Analyzers



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

