Near Infrared Spectrometer (NIR / IR Spectrometer)

Model **MSSupNIR3861NIRSWISS** | Brand **Master Science**



Near Infrared Spectrometer (NIR / IR)

SupNIR 3861 NIR Standard Part Configuration List Included in the Standard Part: Wavelength Range: (1000–2500) nm Included Accessories: Analyzer host machine Light source removal tool Φ100 standard sample tray Φ100 special sample tray Φ95 pressure weight Sealed sample box Sample scraper Sample dustpan Brush (9 mm diameter) Twisted pair shielded USB cable Power cable Software CD (includes software and electronic user manual) NIR Product USB Dongle (for modeling software)...

KEY HIGHLIGHTS

- High performance

AT A GLANCE

<0.01 nm	<0.1 nm
WAVELENGTH REPEATABILITY	WAVELENGTH ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Key Features

High performance
Ensures accuracy, repeatability, stability, and reliability.

EASY TO IMPLEMENT, OPERATE, AND MAINTAIN.

Modern technology with free access to a wide range of available calibrations.

Equipped with user-friendly software offering multiple statistical analysis features.

Technical Specifications

GENERAL

General	FastProvides 10-second analysis of all types of samples.
General	Moisture, protein, fat/oil, ash, fiber, starch, amino acid, sugar, dry matter, and more.

HIGH PERFORMANCE

Background Noise	<50 μA
Analysis Time	<10 seconds

OPTICAL PERFORMANCE	
Wavelength Repeatability	<0.01 nm
Wavelength Accuracy	<0.1 nm

Applications

- **Testing incoming raw materials.**
- **Laboratory analysis.**
- **Final product release.**
- **Pricing of products.**
- **Research and development.**
- **Grain and oilseed processing.**
- **Flow milling and starch production.**
- **Sugar and ethanol production.**
- **Feed and raw material manufacturing.**

User-Friendly Software

- Displays versatile results with warnings and action limits for outliers.
- Reliable software ensures stable analysis results.
- Users can independently develop calibrations with engineer guidance.
- Supports online data analysis and multiple statistical functions.

Hassle-Free Maintenance

- Designed for ease of maintenance, minimizing downtime and costs.
- Lamp life exceeds 5,000 hours and can be monitored and replaced by the user.
- Built for durability without fans, lasers, desiccators, or cooling systems.

Installation and Training

- Easy setup and configuration process.
- Factory-trained specialists verify instrument performance, install calibrations, and set up products.
- Comprehensive training provided for routine operations, diagnostics, and data management.

Standard Accessories Included

- Wavelength Range: (1000–2500) nm
- Analyzer host machine
- Light source removal tool
- Φ100 standard sample tray
- Φ100 special sample tray
- Φ95 pressure weight
- Sealed sample box
- Sample scraper
- Sample dustpan
- Brush (9 mm diameter)
- Twisted pair shielded USB cable
- Power cable
- Software CD (includes software and electronic user manual)
- NIR Product USB Dongle (for modeling software)
- Benchtop NIR Analyzer