

Near Infrared Spectrometer (NIR / IR Spectrometer)



MSSupNIR3861NIRSWISS Standard Part

Configuration List Included in the Standard Part:

- **Wavelength Range:** (1000–2500) nm
- **Included Accessories:**
 - Analyzer host machine
 - Light source removal tool
 - ?100 standard sample tray
 - ?100 special sample tray
 - ?95 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

Features:

- Fast: Provides 10-second analysis of all types of samples.
- 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.

Ideal For:

- Testing incoming raw materials.
- Laboratory analysis.
- Final product release.
- Pricing of products.
- Research and development.

High Performance:

- **Wavelength Repeatability:** <0.01 nm
- **Wavelength Accuracy:** <0.1 nm
- **Background Noise:** <50 μ A
- **Analysis Time:** <10 seconds

Industries:

- Grain and oilseed processing.
- Flow milling and starch production.
- Sugar and ethanol production.
- Feed and raw material manufacturing.

Parameters:

- Moisture, protein, fat/oil, ash, fiber, starch, amino acid, sugar, dry matter, and more.

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.