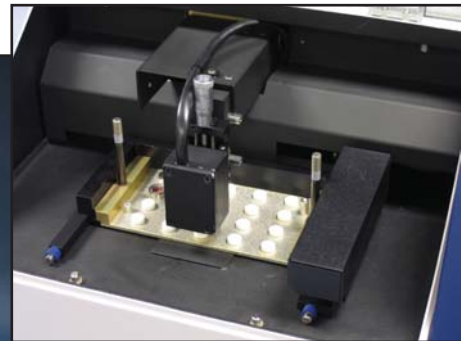


XDS near-infrared MasterLab™



FOSS XDS MasterLab™



Transmission Mode for Tablets



Reflectance Mode for Vials and Tablets

FEATURES and BENEFITS

- XDS NIR technology ensures ease-of-use and seamless method transferability
- Automated transmission or reflectance analysis of a tray of tablets or vials (size of tablets or vials selected by user)
- Analysis of fine powders to coarse granular materials such as pellets or flakes and dosage forms
- Integrated variable spot-size for optimal sample illumination
- Hot-swappable modules – change modules in minutes with no compromise in performance

ANALYZER DESCRIPTION

The FOSS MasterLab™, based on XDS near-infrared (NIR) technology, provides the next generation of dedicated NIR analysis for rapid non-destructive measurements of tablets, solids and liquids.

With the XDS MasterLab you can replace routine tests, reduce product hold time and virtually eliminate quarantine time. The Analyzer supports acquisition of spectra in an unattended mode, freeing the operator to prepare other samples, analyze data, etc.

The XDS MasterLab offers pharmaceutical manufacturers a rapid, reliable test method covering the full array of solid dosage forms: layered, coated or cored tablets, capsules, caplets, geltabs and gelcaps. The versatile sampling mechanism of the MasterLab offers an automated and unattended reflectance or transmission analysis of a tray of multiple tablets or vials.

Simply load the tray, insert it into the XDS MasterLab, and let the movable (X-Y) sampling mechanism properly position and analyze each tablet/vial. An integrated variable spot-size feature enables the sample illumination to be adjusted based on the diameter of the vials being used. The optional coarse granular cell extends analysis to non-homogeneous solid forms ranging from fine powders to coarse granular materials, pellets and flakes by averaging over a large area.

XDS NIR technology offers superior analyzer performance with increased sensitivity and instrument matching to enhance method development, minimize implementation time and ensure seamless method transferability.

Identification, qualitative and quantitative methods are easily derived with the advanced, user-friendly, networkable Vision® software. Precise and accurate analysis is accomplished with the press of a key or click of a mouse.

The XDS MasterLab™ consists of the following items:

XDS Laboratory Monochromator

XDS NIR technology ensures precise instrument matching and seamless calibration transfer. Hot-swappable interface allows rapid changing of additional sampling modules with no compromise in performance.

Spectral coverage: 400-2500 nm for reflectance, 850-1600 nm for transmission.

XDS MasterLab Module

Automated transmission and reflectance analysis of a tray of multiple tablets. Automated reflectance analysis of a tray of multiple vials. Integrated variable spot size for optimized sample illumination. Includes universal tablet tray.

XDS RCM Iris

Sample centering iris for reproducible sample positioning.

XDS Accessory Kit

Consists of NA and EU power cords, network crossover cable, XDS monochromator filter, replacement lamp, 5A fuse, instrument test guide, XDS CE safety manual, and service and warranty documentation.

XDS MasterLab Installation and Operation Manual

Software:

Vision® SC/SP Single-User Vision for Chemical/Pharmaceutical Analysis

Spectral acquisition, method development and routine analysis software for chemical/pharmaceutical analysis. Provides single-user access to FOSS NIR instruments on a network (one copy of Vision per instrument). Pharmaceutical version is fully validatable and 21 CFR Part 11 compliant software.

Vision® MC/MP Multi-User Vision for Chemical/Pharmaceutical Analysis

Multiple-user Vision spectral acquisition, method development and routine analysis software for chemical/pharmaceutical analysis. Allows for centralized database management for all spectral databases. Includes 5 workstation licenses. Pharmaceutical version is fully validatable and 21 CFR Part 11 compliant software.

Standards:

Transmission:

NIRStandards™ Certified Tablet Transmission Standards

Set of 4 tablet transmission standards and 1 wavelength standard.

Reflectance:

NIRStandards™ Certified Reflectance Standards (set of 2)

Set of 1 reflectance standard (80%) and 1 wavelength standard (SRM 1920 + talc).

NIRStandards™ Certified Reflectance Standards (complete set of 7)

Set of 6 photometric standards (2%, 10%, 20%, 40%, 80% and 99%) and 1 wavelength standard (SRM 1920 + talc).

Accessories and options:

Liquid Sampling Kit

For analyzing clear to opaque liquids on the RCA. Consists of 6 circular quartz cuvettes and gold-plated reflectors that provide optical pathlengths of 1 mm, 2 mm, and 4 mm.

Sample cups for reflectance analysis of fine powders

Pack of 10 with 100 disposable backs.

Spare Parts Kit

Consists of 2 lamps, fan filters, and power supply fuses.

Vision SP/MP Validation Documentation on CD

Electronic set of all documents pertaining to the validation of Vision SP/MP software.

Instrument Performance Certification for XDS NIR MasterLab

Semi-annual certification performed on-site by certified engineer.

XDS instrument operation and method development training

3 ½ days course for 2 people at FOSS facility.

Service Training

Instrument maintenance and service training for XDS NIR Analyzers.

For informational purposes only. Subject to change without notice.

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