



MicroNIR™ Accessories

**Fit-for-purpose accessories for the
MicroNIR miniature NIR Sensors**

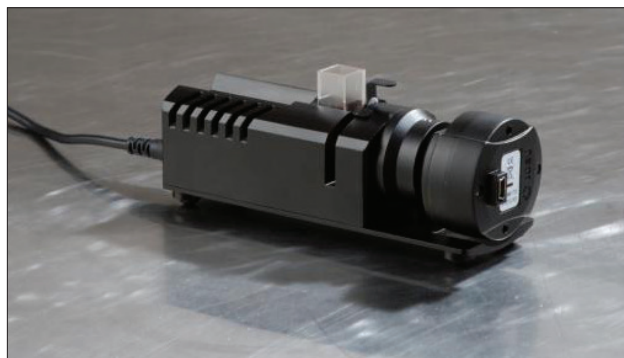


Choosing the optimal sampling method is an important decision in maximizing the success of Near Infrared applications. Viavi Solutions is proud to offer a variety of innovative sampling accessories to optimize the performance of your MicroNIR to the samples you want to analyze.

MicroNIR Transmission Fixture

The MicroNIR Transmission Fixture is a compact fixture for the transmission analysis of liquids or thin filters/films. The fixture features an integrated tungsten lamp and can accommodate industry standard sample cuvettes with 0.5-10 mm path lengths.

The fixture also features a filter slot for the transmission of thin films and filters that are up to 3mm thick.



MicroNIR Transmission Fixture

Applications

Pharmaceutical Manufacturing

- Blend uniformity
- Fluid bed drying
- Granulation
- Content uniformity

Food and Feed Manufacturing

- Moisture content
- Nutritional assay
- Protein
- Fat

Industrial Processing

- Reaction monitoring
- Polymers
- Petrochemicals

MicroNIR Vial Holder

The MicroNIR Vial Holder was designed to easily and reproducibly measure a wide variety of powders and materials with small particle sizes. Use of the vial holder eliminates the need for cleaning the system or sample container and avoids any cross contamination.

The Vial holder can be used for liquids in some situations depending on the application. Opaque liquids generally work well. Included with the vial holder is a box of 100 glass vials and 99% diffuse reflectance panel (12.5mm diameter) for inserting into a vial to be used as the standard.



MicroNIR Vial Holder

MicroNIR Windowed Collar

The MicroNIR Windowed Collar is a removable attachment featuring an integrated anti-reflective (AR) coated Sapphire window. The Windowed Collar is ideal for reproducibly measuring powders in bags as well as non-homogeneous and non-rigid materials.

The Windowed Collar provides a consistent sample presentation to the input of the MicroNIR which translates to lower user error as a result of sample placement.



MicroNIR Windowed Collar

MicroNIR Sample Spinner

The MicroNIR Sample Spinner is a sample accessory designed to measure large particle size materials and/or heterogeneous samples such as feed, forage and grains.

The Sample Spinner uses a disposable petri dish as the sample container and the accessory rotates the sample while the MicroNIR Pro measures the sample as it is being rotated. The outcome is higher repeatability of heterogeneous materials by interrogation over a larger sampling area.

The Sample Spinner features a swing arm containing a 99% reference panel so the operator can easily and quickly collect an instrument baseline. The Sample Spinner can be powered via external battery or wall power.



MicroNIR Sample Spinner

MicroNIR Tablet Probe

The MicroNIR Tablet Probe is an easy to use probe attachment for testing of pharmaceutical tablets, small volume samples, or single grains.

The tablet probe is compatible with both the MicroNIR Pro and MicroNIR OnSite. Simply place the tablet or sample into the small sample cup and immediately begin data acquisition.



The probe seeks to minimize any random scatter effects associated with particle inhomogeneity and the result is an easy sample interface that provides the highest degree of spectral repeatability without strict and specialized control of the sample and spectrometer.

For more information on this or other products and their availability, please contact your local Viavi account manager or Viavi directly at 1-800-254-3684 worldwide, or via email at **micronir@viavisolutions.com**

Visit our product information page at **www.viavisolutions.com/micronir**



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