



MicroNIR Spectrometers

Benefits of MicroNIR Family of Sensors

Small Form Factor

MicroNIR represents a major step forward in the performance to size ratio. This means the sensor systems can be placed in close proximity to the process in applications that were previously hard to implement with bulkier instruments.

Robust Performance

MicroNIR contains no moving parts and is therefore shock proof, allowing it to be implemented into harsh environments without the use of fiber optic cables. The systems behave like a sensor, but provide full spectrometer performance.

Real-Time Results

MicroNIR is based on diode array technology and can generate high quality spectra in less than 1 second. This speed makes it an ideal candidate for high speed applications, particularly in Continuous Manufacturing (CM).

Connectivity

Through the use of USB, Ethernet and WiFi communication protocols, MicroNIR can be used in remote locations and dynamic process monitoring, allowing multiple sensors to be easily distributed across your manufacturing operations.

Simple Design

The optical configuration is simple and compact, allowing the manufacture of MicroNIR to be highly repeatable and therefore allows a high degree of calibration transfer across multiple sensors.

Qualification

MicroNIR meets the specifications required by the pharmacopoeias for operational and performance qualification.



MicroNIR OnSite

Raw Material Identification

Hand-held Near Infrared spectrometer for raw material verification and product quality attributes.



MicroNIR PAT-U

Material Quality & Conformity

Stainless Steel compact and rugged form factor ideally suited for stationary and hard to reach analysis points.



MicroNIR PAT-W

PAT & QbD Manufacturing

Battery powered & WiFi with onboard PC for uninterrupted data store and forward.