

B311 NIR Spectrometer



Features

- Workstation mode, with the function of self-test, instrument setting, spectrum acquisition etc.
- Application-level chemometric software can enable users to complete the modeling work independently without professional knowledge through simple

training by video.

- Sample temperature control unit to enhance detection stability
- High quality colorimetric cell and holder to ensure the reliability.
- NIR Spectrometer is a FTNIR spectrometer that adopts MEMS technology.

Application area

Pharmaceutical and Chemical Industries

Material identification and quality evaluation can be directly analyzed in user warehouses or on-site unloading

Rapid Detection of Intermediates in Workshop Production

Property analysis of gasoline, diesel and aviation kerosene samples in petrochemical industry, such as density, octane number, cetane number, flash point, distillation range, etc.

Analysis of Hydroxyl Value, Acid Value, Water Value and Saponification Value in Chemicals

On-site Rapid Detection of Mixed Process

Rapid detection of fermentation process

Agriculture and Food Industry

Quantitative analysis of agricultural by-products such as oleic acid and linolenic acid

Qualitative Identification of Alcohol Samples, Quantitative Analysis of Alcohol, Acidity, Density and Ester Content

Quantitative Analysis of Nutritional Elements such as Protein and Sugar in Food Samples such as Soybean Milk

Unit operation process control of fermentation, extraction and refining in food and beverage production and processing

Specification

Detector: InGaAs

Wavelength Range: 1150-1700 nm/1250-2100 nm/1300-2600 nm (optional)

Signal-to-noise ratio: 3000:1 (1800nm)

Resolution: 8 nm (1550 nm)

Power of light source: 5W

Sample temperature control: 25°C ±0.5 °C

Operating System: Win7 Win10

Power supply mode: DC12V/8A

Communication mode: USB2.0

Ambient temperature: 5 ~40

Environmental humidity: 5%-95%

Product size: 473 * 386 * 199mm (L * W * H)

Instrument weight: 5Kg

Marks Scientific Solutions Inc., USA

Faith Can Move Mountains

info@marksscscientific.com

+1 770 814 6427