

S450

NIR SPECTROMETER



S450 NIR Spectrometer is a new generation of raster scan Near Infrared Spectroscopy Analyzer. It improved the hardware and software on the basis of the previous generation. The product has achieved a faster, more accurate and more stable level. It can be widely applied to the rapid analysis of agricultural, food, tobacco, pharmaceutical and industrial samples.

Characteristics of the instrument:

- Simple operation, no sample pretreatment, no damage to samples.
- 900nm - 2500nm ultra wide spectral range. Fast analysis. Multiple components can be detected at the same time in 1 minutes. Such as water, fat, protein, amino acids, etc.
- High quality core components, the performance is the leading international level.
- Built in high quality PTFE reference module and polystyrene wavelength standard film. Automatic reference correction and monitoring wavelength. Effectively reducing drift. Ensure that the results are accurate and stable.
- It is equipped with integrating sphere diffuse reflection system, large sampling spot and sample rotating table to ensure the reproducibility of uneven samples.
- A good model transfer between multiple instruments. Each instrument is calibrated, identified and verified in strict accordance with the recommended method of industry. All tests are traceable to NIST standard products.
- A variety of sample cups and accessories can be selected to meet the requirements of particle, powder, liquid and film testing.
- The instrument monitors the environmental temperature and humidity in real time and stores them in spectral files, which facilitates users to access and optimize the measurement conditions.
- The software is easy to operate, intuitive interface, and the function of permission management can meet the needs of different occasions.
- Combined with the near infrared spectroscopy analysis software (CAUNIRS) of China Agricultural University, we can establish authoritative and professional near infrared quantitative and qualitative analysis models.
- Easy cleaning of open work platform.

parameter	S450 NIR Spectrometer
Measurement method	Integral sphere diffuse reflection sample pool
Spectral bandwidth	12nm
Wavelength range	900nm~2500nm
Wavelength accuracy	≤0.2nm
Wavelength repeatability	≤0.05nm
stray light	≤0.1%
Absorbance noise	≤0.0005Abs
Analysis time	1 minutes (adjustable)
Light source life	More than 5000 hours
Sample quantity	Big cup(Φ90) about 120g, Middle cup(Φ60) about 60g, Small cup(Φ30) about 12g, square cup (50 x 30) about 30g
Calibration technique	quantitative analysis: LPLS qualitative analysis: DPLS
Analysis index number	Unlimited, Support quantitative and qualitative simultaneous analysis
size	540×380×220 (mm)
weight	18Kg

25 YEARS

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