DW-S450 NIR SPECTROMETER

Features

- Easy to operate, no sample preparation is required, and the sample is not damaged.
- Covering 900-2500nm(11000-4000)cm-1.
- The core components of the instrument, such as tungsten lamps, filters, gold-plated gratings, and refrigeration indium gallium arsenide detectors, all adopt international leading brand products to ensure the high quality of the instruments from every aspect.
- Each instrument uses a variety of traceable standards for wavelength calibration. The calibration points are evenly distributed over the entire wavelength range, ensuring consistent wavelength accuracy across multiple instruments.
- The instrument is equipped with an integral sphere diffuse reflection sampling system, which collects diffuse reflection light at multiple angles, which is more conducive to improving the measurement reproducibility of uneven samples.
- A variety of sample cups and accessories are available for particle, powder, liquid and film testing.
- The instrument monitors the ambient temperature and humidity in real time and stores it in the spectrum file, which is convenient for users to check and optimize the measurement conditions.
- The software is simple to operate. Data file compatible with Unscrambler.

Parameters

Model	**S450**
Measurement Method	**Integrate-sphere**
Bandwidth	**12nm**
Wavelength Range	**900~2500nm**
Wavelength Accuracy	**≤0.2nm**
Wavelength Repeatability	**≤0.05nm**
Stray Light	**≤0.1%**
Noise	**≤0.0005Abs**
Analysis Time	**About 1 minute**
Interface	**USB2.0**
Dimension	**540x380x220mm**
Weight	**18kg**

***This instrument and software does not include database for principal component analysis.**
The standard package does not include the Unscrambler software.
If you need this software please contact CAMO software.