



广东星创众谱仪器有限公司

GUANG DONG SPECTRASTAR INSTRUMENTS CO., LTD.

IN6100

Near-Infrared Online Detector



IN6100 Near-Infrared Online Detector is designed for online measurement of component concentrations and key parameters in homogeneous liquids, including acid value, hydroxyl value, moisture, viscosity, ammonia value, A-ester, T-ester, molecular weight, and more. It enables real-time multi-component analysis during production, providing valuable information for process control and quality monitoring.

Applications

Biological Fermentation: Rapid online measurement of sugar, acid, OD and other parameters in fermentation filtrate.

Pharmaceutical & Chemical Industry: Rapid online monitoring of component changes in traditional Chinese medicine extracts, pharmaceutical intermediates, and other liquid materials.

Petrochemical Industry: Rapid online monitoring of composition changes in liquid materials used in chemical processing.

Product Benefits

1. Fully automatic operation, 24 hours unmanned operation.
2. The core components are dust-proof, waterproof and explosion-proof, and safe and reliable.
3. Detect quickly, scanning up to 30 times each second, and predicting results in real time.
4. Ultra-long life, the light source life exceeds 10,000 hours.
5. No chemical reagents required, no environmental pollution, and non-destructive analysis is realized.
6. Fast speed, high efficiency and good reproducibility.
7. Highly customizable services and comprehensive online near-infrared solutions.

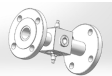
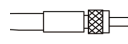
Technical Parameters

Parameter	Describe
Working conditions	0 ~35 , humidity ≤ 85%RH
Lightsourcelife	10,000hours
Spectral range	900~1700nm
Spectral resolution	15nm@1550nm
Wavelength stability	<0.2nm/year
Detectionspeed	30 samples/second
Weight & Size	≤ 18kg, 292*390*140mm
Power supply method	AC220V/50Hz power supply
Threed efense requirements	Meet EMC,explosion-proof & IP65 related requirements
Communication function	Connects to the customer's host computer via RJ45 wired network, Wi-Fi (external antenna) for data transmission, remote control, configuration, and maintenance.
Software function	With functions like automatic wavelength calibration, instrument status self-diagnosis, automatic whiteboard reference, and model calibration.



Detection Interface

Sampling Accessories

Accessory	Description
 Flow Cell	* Material: 316L stainless steel * Size: DN25/DN50 * Components: window holder, sapphire windows, flexible tubing, collimator * Function: For liquid measurement in pipelines
 Fiber	* Material: IR-enhanced quartz fiber * Size: Customizable * Interface: SMA905 * Function: Connects to the flow cell and transmits optical singels

Research Strength



广东星创众谱仪器有限公司

GUANG DONG SPECTRASTAR INSTRUMENTS CO., LTD.

Tel:020-82557037

Website:www.spectrastar.com.cn

Address:1-2F,BuildingA4,No.3,Keyan Road,ScienceCity, Guangzhou

