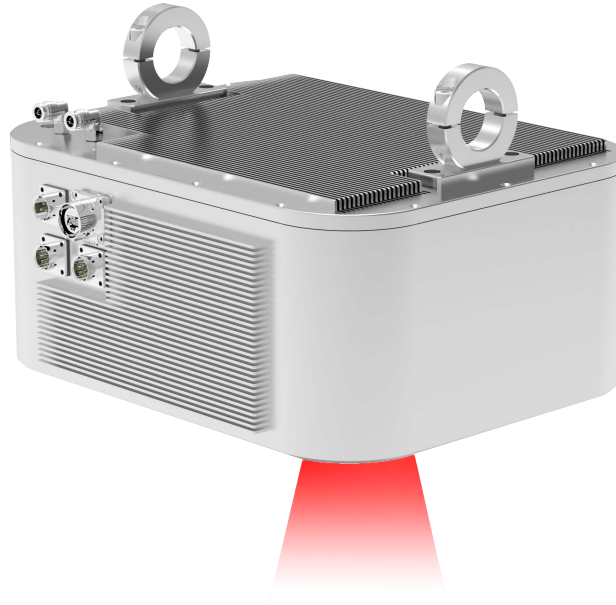




IN6000

Near-Infrared Online Detector



IN6000 near-infrared online detector is an online near-infrared spectrometer that can conduct non-destructive analysis to particles, powders, pastes, non-transparent samples, and others. It is widely applied in agriculture, food, chemical, pharmaceutical, brewing, dairy products, feed, and tobacco industries and others, which performs real-time multi-component detection of products on the processing line, providing process control and quality monitoring information.

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

Working conditions	-10°C ~40°C, humidity ≤85%
Light source life	10,000 hours
Spectral range	900~1700nm
Spectral resolution	15nm@1550nm
Wavelength stability	<0.2nm/year
Light spot area	Diameter 10cm@250mm working distance
Detection speed	30 samples/second
Three defense requirements	Meet EMC, explosion-proof and IP65 related requirements
Weight	≤18kg
Size	401*300*223mm
Power supply method	AC220V/50Hz power supply
Communication function	Connect to the customer's host computer through RJ45 wired network and WiFi wireless network (exposed antenna) to realize data transmission, performing remote control, setting and maintenance.
Software function	With functions like automatic wavelength calibration, instrument status self-diagnosis, automatic whiteboard reference, and model calibration.



Real-Time Monitoring System

Scientific research strength



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