

BEVS 3168H Automated Particle Analyzer

Can be used in accordance with: ISO 1524



The BEVS 3168H Automated Particle Analyzer is suitable for measuring the particle fineness of various materials such as coatings, pigments, and even coatings with special effects, such as transparent liquid materials and metallic paints. One-key measurement technology can automatically scrape the fineness plate and automatically analyze the fineness measurement results. The powerful measurement and analysis software can greatly improve the accuracy and efficiency of the measurement. The BEVS 3168H Automated Particle Analyzer is widely used in coatings, resins, pigments, polymers, titanium dioxide, cosmetics, pharmaceuticals, food, electronic materials, chip materials and other fields.

The Automated Particle Analyzer mainly adopts visual imaging artificial intelligence big data technology. Its working principle is: the Grind Gauge is scanned by a high-resolution camera. The camera and the plane of the Grind Gauge keep a fixed angle and move horizontally. The measuring light is irradiated on the Grind Gauge of the coated sample. There is a difference between the reflected light of the smooth surface and the reflected light of the rough surface. Therefore, the undispersed coating particles collected by the camera are displayed as a light spot. The camera is focused on the entire line in the width direction of the Grind Gauge. By moving horizontally, the entire image is scanned and collected within three seconds. Through data processing and algorithm analysis, the particle size distribution bar graph and particle number of the granular material are obtained, thereby obtaining the fineness rating result. Any abnormal points in the image analysis during the period, such as bubbles or dust, will be ignored, thereby improving the measurement stability.

Features

- 10 inch HD touch screen, advanced intelligent analysis software.
- HD image processing system for high-precision measurement.
- Sliding-cover test chamber, simple and easy to operate.
- Cycle measurement time: 30 seconds.

Technical Specifications

Parameter	Specification
Measurement range	0 - 200 microns
Resolution	1 micron
Accuracy	+/- (reading x 2% + 3) microns
Cycle measurement time	30 seconds
Camera resolution	4K
Display screen	10 inch, 1920 x 1080
Interface	USB / VGA / HDMI
Storage	200 GB (expandable)
Operation menu	Multi-language optional
Dimensions	L670 x W330 x H360 mm
Power supply	AC 220V, 50/60 Hz
Weight	35 kg

Packing List

BEVS 3168H Automated Particle Analyzer
Mouse + Keyboard Kit

Order Information

BEVS 3168H Automated Particle Analyzer
BEVS 1903 Single Channel Grind Gauge, Measurement Range: 10/15/25/50/100 microns
BEVS 1906 Wide Single Channel Grind Gauge, Measurement Range: 15/25/50/100 microns
BEVS 1908 Double Channel Grind Gauge, Measurement Range: 25/50/100 microns

