

SLPC300 Portable Particle Counter SLPC300W Portable Particle Counter (Including Water)



THE PERFORMANCE CHARACTERISTICS OF

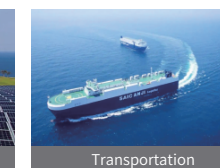
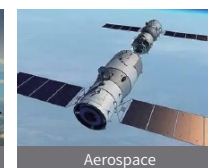
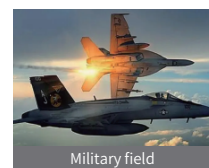
- Test principle of the photoresist (shading) method specified by the International Hydraulic Standards Committee (IHSC)
- High precision laser sensor, wide test range, stable performance, low noise, high resolution
- High precision bi-directional piston metering pump sampling mode, feed rate adjustable, high precision sampling volume.
- The pipeline is made of 316L and PTFE materials, corrosion-resistant, to meet the detection of various organic solvents and oils.
- For laboratory or on-site measurements, with optional depressurization for on-line high-pressure measurements
- External pressure chamber can be connected to form positive/negative pressure to realize the detection of high viscosity samples and sample degassing.
- Standard sampling bottles, sampling cups and other sampling containers can be used, or directly connected to the hydraulic system for online testing.
- Built-in multiple calibration curves, compatible with all commonly used standards at home and abroad for calibration.
- Built-in GJB-420A, GJB-420B, NAS1638, ISO4406, SAE4059E and GOCT17216 and other commonly used standards, a test can be given to all the built-in standards under the data results, support for customized standards testing, and according to customer needs to set the required standards

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SOOHOW

- 1000 particle size channels for easy particle size analysis
- Built-in data analysis system, according to the standard automatic determination of sample grade, with automatic data processing, printing function
- Color touch screen operation, Chinese and English input, with preset, input, modification, storage function, easy and fast operation.
- With RS232 interface, can be connected to a computer or laboratory platform for data processing, can also use USB for data storage.
- Built-in lithium battery, suitable for field operation, without external power supply can be used.
- Embedded design, high strength shell, easy to carry, suitable for all kinds of construction machinery.

APPLICATION FIELD



TECHNICAL PARAMETER

Light source	Semiconductor laser
Detection Range	0.8-500um
Sensitivity	1um (ISO 4402) or 4um (c) (GB/T 18854, ISO 11171)
Customized detection channels	32 channels; particle size can be set arbitrarily with an interval of 0.01 um
Sampling volume	0.3-100 mL with an interval of 0.1 mL
Sampling accuracy	Better than ±2%
Sampling speed	5-60 mL/min (default: 25 mL/min)
Cleaning speed	5-60 mL/min (default: 25 mL/min)
Counting accuracy	±10%
Resolution	Better than 10%
Repeatable	RSD<2%
Limit rejoining error	12000-40000 grains/mL
Detecting Viscosity Offline	≤100cSt (Optional pneumatic chamber for high viscosity)
Pressure range	Low pressure 0-0.6Mpa, high pressure up to 30Mpa (optional pressure reducing valve)
On-line detection interval	Settable from 1 second to 11 hours 59 minutes 59 seconds
Temperature of test sample	0°C-80°C
Operating temperature	-20°C-60°C
Storage temperature	-30°C-80°C
Power supply	AC100-240V, 50/60Hz
Battery capacity	5200mAh
Battery runtime	6-8 hours
Size	380*310*205mm
Weight	About 7.5kg
SLPC 300W Measuring range of oil water content	Relative error of measurement within 10ppm-500ppm, 10ppm-100ppm ±5ppm, better than ±10% within 100ppm-500ppm