

## SLPC 100 Particle Counting System



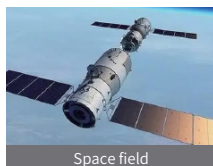
### PRODUCT INTRODUCTION

The SPLC100 Particle Counting System is based on GB/T 18854-2002(ISO11171-1999) and other standards. Developed by the counting principle of light blocking method, it fully conforms to the corresponding national military standards, national standards and international standards. It can provide fast, accurate, reliable and repeatable test results and complete pollution monitoring and analysis report, which is suitable for the detection of particle pollution degree of hydraulic oil, lubricating oil, anti-fuel oil, insulating oil and turbine oil. It can be widely used in aviation, aerospace, electric power, petroleum, chemical industry, transportation, port, metallurgy, machinery, automobile manufacturing and other fields.

### APPLICATION FIELD



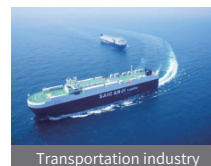
Military field



Space field



Electric power industry



Transportation industry

### MAIN FEATURES

- Principle of light blocking method
- Calibration, detection methods and accuracy meet ISO 4402, GB/T 18854, ISO 11171
- The built-in particle pollution level standards are as follows, and the required standards can be added according to user needs:NAS1638、ISO4406-1999、ISO4406-2007、ISO4406-1987、GB/T 14039-2002、GJB420B-2006、GJB420B-2015、GJB420A-1996、AS4059E、AS4059F、ROCT17216-1971、ROCT17216-2001、JTS-005、SAE749D-1963、AETF1A、NAS1638/ISO4406
- High performance large size particle count sensor
- Industrial computer Windows system supports instrument control and calculation
- Optional calibration curves: ACFTD, ISOMTD, latex ball, GOST and other calibration curves
- Test result storage includes built-in printer, software database storage and USB flash drive storage.

### TECHNICAL PARAMETER

Light source:	Semiconductor laser
Detection range:	0.8 $\mu$ m~500 $\mu$ m
Particle size range:	1~100 $\mu$ m (ISO4402) or 4~70 $\mu$ m(c) (GB/T18854, ISO11171)
Sensitivity:	1 $\mu$ m (ISO4402) or 4 $\mu$ m (c) (GB/T18854, ISO11171)
Detection channel:	32 pieces, can be 0.01 $\mu$ m interval arbitrary set particle size
Sample volume:	0.3 - 100ml, 0.1ml interval
Sampling volume relative error:	Better than $\pm$ 0.5%
Detection speed:	5 - 60mL/min (default: 25mL/min)
Cleaning speed:	5 - 60mL/min (default: 25mL/min)
Resolution:	Better than 10%
Coincidence error limit:	12000 ~ 40000 capsules/mL
Particle count repeatability:	RSD<2%
Detection accuracy:	$\pm$ 4%, 1/2 rating (ISO 4406 standard)
Particle count relative error:	$\pm$ 5%
Max positive pressure of sample hold:	0.8MPa, maximum vacuum: -0.08MPa
Sample viscosity range:	< 650 cSt
Temperature of test sample:	0~80 $^{\circ}$ C
Working temperature:	-20 ~ 60 $^{\circ}$ C Storage temperature: -30 ~ 80 $^{\circ}$ C
Power Supply:	220V $\pm$ 10%, 50Hz; 180W
Host size:	355 $\times$ 400 $\times$ 620mm
Host weight:	Main machine 19kg