

## OL-1 On-line Particle Counter



### THE PERFORMANCE CHARACTERISTICS OF

- Suitable for on-site online detection, it can monitor the oil particle contamination of various hydraulic and lubrication systems in real time;
- High-precision laser sensor, wide test range, stable performance, low noise, high resolution;
- Adopting the principle of light blocking method (light shielding method), it has the advantages of fast detection speed, strong anti-interference, high precision, good repeatability, etc.;
- High-precision sensor ensures high resolution and accuracy;

SOOHOW INSTRUMENT SUPPORT  
HIGH-END MANUFACTURING IN CHINA

**SOOHOW**

- Built-in NAS1638, ISO4406, GJB420A, GJB420B, ROCT17216, GB/T14039 and other particle contamination level standards, and can be built-in according to user requirements.
- Built-in calibration function, can be calibrated according to ISO4402, GB/T18854-2002 (ISO11171: 1999) and other standards;
- RS485 interface or RS232 interface or 4~20mA, can be connected to an external computer to complete the transmission, storage and processing of test data;
- The instrument can realize continuous automatic online detection, can give the number and level of particles in real time, and can set the detection interval time arbitrarily;
- Real-time monitoring of the flow rate flowing through the sensor;
- Optional water activity sensor to detect the micro-water content in the oil;
- High-strength aluminum shell, strong anti-interference, high temperature and high pressure resistance, sturdy shell, can be used in harsh environments.

### APPLICATION FIELD



### TECHNICAL SPECIFICATIONS

Project	Data
Light source	Semiconductor laser
Particle size range	1μm~600μm (depending on the selected sensor)
Sensitivity	1μm (ISO4402) or 4μm (c) (GB/T18854, ISO11171)
Counting volume	10ml
Counting accuracy	±1 pollution level
Test sample temperature	0 ~80
Working temperature	-20 ~60
Storage temperature	-30 ~80
Power supply	DC9V or DC12~36V
Test channel	8
Fixed particle size	1μm,2μm,5μm,10μm,15μm,25μm,50μm,100μm. or 4μm(c),4.6μm(c),6μm(c),10μm(c), 14μm(c),21μm(c),38μm(c),70μm(c).
Flow rate range	10~50mL/min,50~300mL/min
Online test pressure	0.2~10Mpa (optional pressure reducing device with maximum pressure up to 40Mpa)
Result storage	USB interface to store to USB disk