

Portable Lube Oil Particle Counter is made in the principle of light extinction(or light-blockage) and used to detect the size and quantity of solid particles in liquid. It is a kind of hydraulic fluid particle counter.

In line hydraulic oil particle counter oil is widely applied in aviation, space, electricity, oil, chemical, transportation, port, metallurgy, machinery and automobile manufacturing for detecting contamination of solid particles for hydraulic oil, lubricating oil, transformer oil (insulating oil), turbo generator oil (turbine oil), gear oil, engine oil, jet fuel and water-based hydraulic oil.

And oil particle count testing equipment is applied to the field of insoluble particles for organic liquid and polymer solutions, pollution degree of oil, organic liquid and polymer solution, in line hydraulic oil particle counter sensor also can be applied in aviation, aerospace, electric power, oil, medical and other industries.



## FEATURES

- Color LCD display
- Particle Counter adopts the light blockage method theory
- Data transmission: RS232 or RS485
- Compact in structure, small, light, portable, sturdy and durable.
- Built-in printer of oil particle count testing equipment can directly print the test report

## TECHNICAL SPECIFICATION

Particle size range	1 $\mu$ m~100 $\mu$ m
Sensitivity	1 $\mu$ m (ISO4402) or 4 $\mu$ m(C) (ISO11171)
Oil Resolution(Dielectric constant)	10%
Off-line viscosity detection	$\leq$ 160cSt
Detection channel	8 Channels According to ISO 11171 standard, classify by ISO 4406 or SAE 4059; Size range: 4 $\mu$ m(C) ~70 $\mu$ m(C) 8 channels: 4, 6, 10, 14, 21, 25, 38, 70 $\mu$ m(C) According to ISO 4402 standard, classify by NAS1638 or GOST 17216; Size range: 1 $\mu$ m~400 $\mu$ m; 8 channels: 2, 5, 10, 15, 20, 25, 50, 100 $\mu$ m
Sampling volume	10ml, sampling volume accuracy: >3%
Detection velocity	5-80mL/min
Washing velocity	5-80mL/min
Washing volume	Set among 0ml~90ml ( minimum unit 1ml)
Testing data output	Equip with a printer and support USB download historical data.
Battery	24V Rechargeable lithium battery
Dimension	435 x 304 x 170mm
Weight	5.2 Kg