

Portable Oil Particle Counter SLPC300



Brief Introduction

The SLPC 300 portable oil particle counter is an instrument suitable for both on-site testing and laboratory analysis. The instrument utilizes the principle of light resistance method to measure the size and quantity of small particle pollutants in oil media.

Adopting precision plunger pumps, strictly controlling the sampling volume accuracy, achieving offline or online testing of oil.

The calibration of the SLPC 300 oil particle counter follows two guidelines: ISO 11171 and ISO 4402, and supports multiple detection standards including ISO 4406 and NAS1638. Users can also set their own detection standards. Eight detection channels provide users with a wide range of choices. The use of an oil particle counter is an effective analytical tool for detecting particle contamination in liquids.



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Characteristic

1. Includes two calibration methods. Calibration according to ISO 11171 and ISO 4402 international standards
2. Supports ISO 4406, NAS 1638, GJB420A, GBT14039, SAEAS4059D, and multiple user-defined standards
3. Precision plunger pump sampling, stable injection
4. It can be equipped with an external pressure reducing valve and can withstand a high pressure of 350bar
5. It has two detection modes: online and offline, which can achieve offline detection of samples or online continuous detection
6. 5-inch touch screen, users can directly perform various operations and controls through the display screen
7. Built in database management unit for effective storage, query, and analysis management of data
8. External USB interface, which can directly obtain data through a USB flash drive or connect to a computer through RS232 serial port to read detection data through the computer

SLPC 300_{oil} Particle counter

Technical Parameter

Particle size range	0.5-600 μ m(ISO4402) 1-70 μ m (C)(ISO11171)
Particle size channel	8
Maximum detection concentration	12000 particle/ml
Flow velocity	30ml/min
Pressure range	0-0.4MPa (Expanding to 35MPa through an external pressure reducing valve)
Sampling volume accuracy	$\pm 3\%$
Particle count repeatability	$\pm 2\%$
Relative error of particle counting	$\pm 10\%$
Testing liquid viscosity	<200cSt
Sample temperature	$\leq 80^{\circ}\text{C}$
Source	AC 220V $\pm 10\%$, 50HZ
Battery life	8 hours
Data output	RS232 interface, USB interface, built-in printer
Display	5-inch LCD color touch screen
Size	380*310*205mm(length * width * height)
Weight	8.6kg
Usage environment	0-50 $^{\circ}\text{C}$

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