

PARTICLE COUNTER PRODUCTS

SINFILTER
HEBEI SINFILTER CO., LTD.

RS485 Modbus protocol's RTU communication mode makes it easy to read data. With motor pump unit, can be used to continuously and real-time detect oil conditions even in the absence of oil pressure.

OIL TYPES

hydraulic oil, lubricating oil, engine oil, gear oil, transformer oil (i.e. insulating oil), fuel oil (gasoline, diesel, aviation paraffin, etc.), synthetic oils, water and water-based categories (water-based hydraulic oil, water glycol, etc.), alcohols, ketones, and other homogeneous translucent solvents.

Products

 <p>A-O ONLINE PARTICLE COUNTER</p>	light source	A semiconductor laser	Size	115*85*60mm	Particle size range	1-1000µm
	Weight	1kg	Sensitivity	1µm or 4µm(c)	Screen	3.5"
	counting volume	1-999ml	Measuring Type	Without pump,online testing, External optional pump available	Protection level	IP56/IP67
	Common Standards	With GOCT17216, GB/T14039, SAE4059, GJB420A, GJB420B, ISO4406, NAS1638, etc.			Maximum withstand pressure	100bar
	Online pressure detection	0.1-10Mpa (Maximum pressure up to 42Mpa with optional pressure reducer)	Moisture temperature function	Optional (built-in)	interface	USB, RS232, RS485
	data storage	Provides 1,000 sets of data storage space and supports USB storage	Test sample viscosity	≤650cSt	Flow rate range	5-500ml/min
	limit coincidence error	40000 capsules/ml	Operating temperature	-20-60°C	electricity supply	AC 220V±10%, 50/60Hz, DC9-36V
	Temperature (optional)	Collection range: 1-100°C; Measurement accuracy: 1°C	Water activity (optional)	Collection range: 1-100%RH; Measurement accuracy: 1%RH	Counting accuracy	±0.5 pollution levels
	Test interval	1s-24h	Moisture content (optional)	Collection range: 1-360ppm; Measurement accuracy: 1ppm		

 <p>A-T2 DESKTOP PARTICLE COUNTER</p>	Light source	A semiconductor laser	Size	340mm×310mm×730mm	Screen	No less than 10.4 inch tablet or computer with Win10 or above system
	Customised test standards	Support all curves, you can add your own, no limit of quantity	Data output method	Built-in printer, also supports desktop printer, supports WiFi, Bluetooth, USB, etc.	Data format	PDF, EXCEL
	Resolution	< 10%(GB/T18854, ISO11171)	Repetitive	RSD<2%	Sampling volume	0.2~6000ml at 0.1ml intervals
	Sampling accuracy	Better than ±0.5%	Sampling speed	5 ~80mL/min	Maximum vacuum of pressure chamber	-0.08MPa
	Maximum positive pressure of air pressure chamber	0.8 MPa	Host net weight	≥22kg	Pressure chamber	Positive and negative pressure chambers for sample degassing and detection of high viscosity samples.
	Particle size range	0.8 µm ~ 600 µm (calibrated to ACFTD calibration 1 ~ 100 µm or ISO MTD calibration 4 ~ 70 µm(c))	Detection channel	64 channels (the actual number of channels can be edited at the same time), the particle size is set by the user.	Sensitivity	0.8µm (ISO4402) or 3µm (c) (GB/T18854, ISO11171)
	Sample testing viscosity	≤650cSt (when the viscosity is too large, it can be detected by heating or dilution methods)	Temperature (optional)	Collection range: -40~100°C Collection accuracy: ±0.5°C	Water activity (optional)	Collection range: 1 ~ 100%RH; Collection accuracy: ±1%RH
	Moisture content (optional)	Collection range 1 ~ 300ppm; Collection accuracy: ±10ppm	Coincidence limit error	12000~40000 capsules/mL	Dielectric constant (optional)	1 ~ 6
	Viscosity (optional)	0 ~ 500cSt Accuracy: ±2%	Power supply	110~245V AC, 50Hz, 70W	System software	Operator account password permissions can be set, editing sample names, etc., support for personalized signatures
		Number of accounts		unlimited		

Get early warnings about wear conditions, not fault-based.

Remote online monitoring: Enhancing ROI and safeguarding investment interests.



A-B3
PORTABLE PARTICLE COUNTER

Light source	A semiconductor laser	Size	275*220*107mm	Weight	2.5kg
Screen	3.5 inches	Power source	Metering pumps	Repeatability	≤5%
Battery	External, optional	Custom channel	No customization	Sensitivity	0.8μm or 4μm (c)
Counting accuracy	The error is less than ±10%	Limit coincidence error	40000 capsules/ml	Detect sample temperature	0-80°C
Operating temperature	-20-60°C	Power supply	AC 220V±10%、50/60Hz or DC12-40V	Offline detection of viscosity	≤100cSt (optional pressure chamber when viscosity is high)
Particle size range	1-500μm	Offline detection speed	5-60mL/min (factory default 25ml/min)	Data storage	Provides 1,000 sets of data storage space and supports U disk storage
Interface	USB , power interface	Counting volume	1-999ml (10 or 20ml recommended)	Protection level	IP67
Test interval	1s-24h	Water content	0-360ppm	Water activity reference value	0-1aw
Moisture viscosity temperature function	Standard moisture temperature, viscosity not optional	Built-in standards	ISO 4406, NAS 1638, SAE 4059 (integral and differential), GJB420A, GJB420B, Γ OCT 17216, GB/T14039		



A-B6
PORTABLE PARTICLE COUNTER

Light source	A semiconductor laser	Size	420*326*182mm	Screen	7 inch
Power source	Bidirectional piston pump	Battery	Built-in 5200mAh	Repeatability	≤2%
Custom channel	64 channels	System software	Multi-level account and password login, test results can be edited	Weight	8.5kg
Sampling accuracy	Better than ±1%	Sampling speed	5-80mL/min	Cleaning speed	5-80mL/min
Cleaning volume	Can be set between 0ml ~ 90ml	Counting accuracy	The error is less than ±5%	Resolution	≤10%
Limit coincidence error	12000-40000 pills/mL	Detect sample temperature	0-80°C	Operating temperature	-20-60°C
Power supply	AC100-240V, 50/60Hz	Offline detection of viscosity	≤100cSt (the maximum viscosity of the optional pneumatic bottle sampler can reach 400cSt)	Pressure range	Low pressure 0-0.6MPa, high pressure up to 42MPa (optional pressure reducing valve)
Particle size range	0.8-600μm (calibrated according to ACFTD calibration 1~100μm or ISO MTD calibration 4~70μm(c))	Sampling volume	0.2-1000ml	Flash	64GB
Tablet PC (optional)	10 inches	Tablet system	Win10 or above professional version system TYPE-C to DB9 data cable connected to the instrument serial port	Temperature collection (optional)	-40°C-100°C Accuracy: ±0.5°C
Moisture (optional)	Water activity collection: 1-100%RH; Accuracy:±1%RH Absolute water content: 1-360ppm; Accuracy ±10ppm	Viscosity (optional)	0-500cSt Accuracy: ±2%	RAM	Not less than 4GB DDR3L
Built-in standards	GJB-420A, GJB-420B, NAS1638, GB/T 14039, ISO 4406, SAE4059cpc, SAE4059F, SAE749D, GOCT17216, QC/T29104, JB/T9737, DLT432, HH005-2018 and more than ten commonly used standards			Computer functions	Can be connected to computer