

OPC -3024i

Oil Particle Counter



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Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Introduction :

The OPC-3024i Oil Particle Counter is a laboratory instrument for measuring fine particulate contaminants in liquids. It uses the light extinguishing principle to detect the size and count of fine particles in the liquid, so as to find the distribution and pollution of fine particles. The instrument is equipped with a pressurized and vacuum device, can effectively extract high viscosity liquid and remove fine bubbles in liquid. It is widely used to detect micro particle pollutants in liquid medium, like hydraulic oil, lubricating oil, transformer insulating oil, gear oil, aviation kerosene, organic liquid or polymer solution, etc.

The OPC-3024i Oil particle counter is calibrated according to ISO 11171: 2010 (GB / T 18854-2015), ISO 4402: 1991, and supports a wide range of testing standards including ISO 4406 and NAS 1638. Users can also set their own testing standards. 24 detection channels provide users with a wide range of options. The use of liquid particle counter is an effective means of detecting particulate contamination in liquids.

Features :

- Contains two calibration methods. Calibration according to ISO 11171 and ISO 4402
- Support ISO 4406, NAS 1638 and user- defined testing standards
- Precision syringe pump sampling device, high sampling volume accuracy, stable sampling speed
- Pressurized device for high viscosity liquid detection
- Vacuum device, for the detection solution degassing, the effective elimination of liquid bubbles .
- 7-inch touch screen, user can directly operate and control through the display .
- Built-in database management unit, for effective storage, query and analysis management

Technical Specification :

Size range	1-100* μm (ISO4402) ; 4-70 μm (C)(ISO11171)
Size channels	24
Max. particle concentration	12000 particle/ml
Sample flow rate	15ml/min
Sample volume accuracy	$\pm 3\%$
Max. vacuum	-0.8bar
Max. pressure	6bar
Sample liquid viscosity	<350cSt
Sample temperature	$\leq 70^{\circ}\text{C}$
Power supply	AC 220V $\pm 10\%$, 50HZ
Data output	RS232, USB, built-in printer
Display	7 inch LCD color touch screen
Dimension	415(L) \times 585(H) \times 305(W)mm
Weight	34kg
Environment	0-50 $^{\circ}\text{C}$

*This is the standard configuration, according to the sensor type, particle size can be selected at range of 0.5-600 μm .

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

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Our Products & Technologies



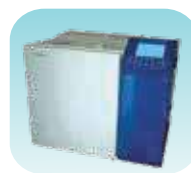
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Regulatory compliances



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Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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