

# PLPC - 3024

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## Portable Oil/Liquid Particle Counter



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Overview

PLPC-3024 Portable Oil Particle Counter adopts Laser Extinction Technology, is designed to measure the particles' size and quantity in oil liquid. It is Suitable for tests of pollution degree of solid particles in hydraulic oil, lubricating oil, fire resistant oil, insulating oil, turbine oil, organic liquid and polymer solution, etc. So our instrument can be used in aviation, space-flight, electric power, petroleum, chemical industry, transportation, port, metallurgy, machinery, automobile manufacturing and many other fields.

## ►► Features

- Use laser shading principle which International Hydraulic Standards Committee specified
- Strict sensor, large test range, stable function, low noise and high resolution
- Can connect with pressure dome to degassing and measure high viscosity samples
- There are 4 useful standards and so on. It also can self-set standards, we also can set all the standards that user specified
- The sizes can be set freely in the range of the calibration curves
- With data analysis system, grand the pollution class, test data save and data printout
- Large color LCD touch screen and user-friendly operation
- Interface, can get to computer or Lab platforms
- Built-in lithium batteries, can use to charge for instrument operation without 220V power

## ►► Technical Parameters

<b>Optical source:</b>	laser
<b>Size range:</b>	0.8μm-500μm
<b>Channel number:</b>	8
<b>Resolution:</b>	<10%
<b>Repeatability:</b>	RSD<2%
<b>Dynamic viscosity:</b>	≤350 cSt
<b>Sampling volume:</b>	0.2-1000ml
<b>Sampling precision:</b>	≤±1%
<b>Sampling speed range:</b>	5ml/min-80ml/min
<b>Pressure range:</b>	High pressure 5-420bar, Low 0-6bar
<b>Negative pressure:</b>	≤0.08Mpa
<b>Positive pressure:</b>	≤0.8Mpa
<b>Coincidence error limit:</b>	10000 particles/ml
<b>Battery capacity:</b>	5200mA
<b>Power:</b>	AC110V~220V±10%,50Hz

## ►► Portable Pressure Sampler

Portable Pressure Sampler is a device used to assist the sampling of highviscosity samples, and can be used for auxiliary sampling of portable oil particle counters. The pressure sampler has a built-in pressure pump, which can directly switch between positive and negative pressure, can store and maintain the pressure for a long time, and has the advantages of reliable structure and stable performance. This sampler is easy to operate, has a wide pressure range and is widely used.



## ►► Features:

- Built-in pressure pump, high pressure rise speed
- The positive and negative pressure can be switched, and the pressure holding capacity is strong
- It can be used for the injection of high-viscosity oil samples, which improves the viscosity of the 4. samples detected by the portable particle counter
- Built-in pressure sensor, set pressure value arbitrarily, high degree of intelligence
- Mechanical and computer models are available
- Compact structure, small size, light weight, easy to carry.

## ►► Technical Parameters

- Positive pressure range: 0-600kPa
- Range of negative pressure: 0-80kPa
- Working temperature: 10~40° C
- Power supply: AC 110-220V, 50/60Hz, ≤120W

## 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

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

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Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



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Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



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RTPCR



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Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system



## Regulatory compliances



## Corporate Social Responsibility

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



**Analytical**  
**Foundation**

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](mailto: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.

## Reach us @



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