

# SIZER-3900 Nano

Laser Particle Size Analyzer



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## ►► Features :

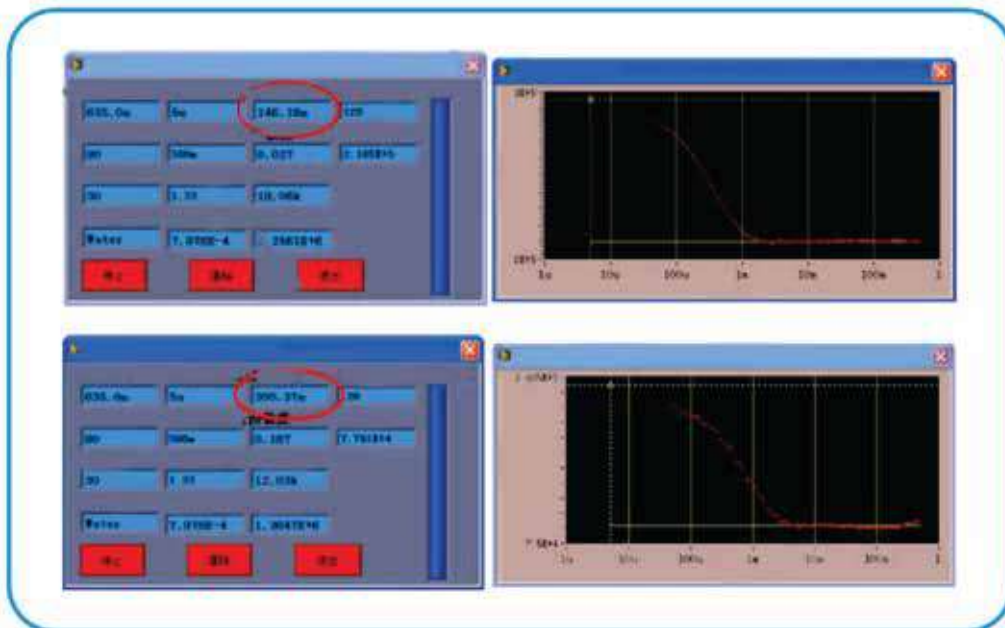
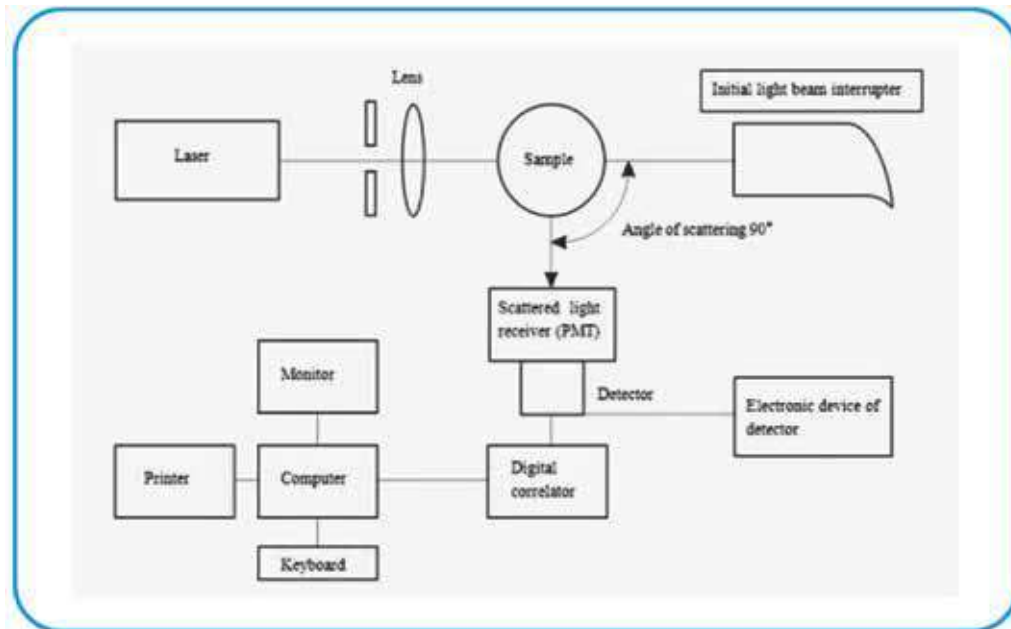
Adopts the single-beam dual-lens system design. High accuracy and repeatability: the error of accuracy and repeatability are much less than the allowable error through testing Standard Sample. The error of accuracy and repeatability are all less than 3%, other indexes are up to the International Standard ISO 13321.

- Fast testing: just spend less than 5 minutes testing sample and getting an accurate result.
- A precise temperature control system: temperature control precision of 0.2°C, to ensure accuracy of test results.
- High precision photomultiplier(PMT): imported photomultiplier(PMT), high sensitivity, high-speed, stable performance, precise recognition of each photon.
- High performance photon correlator: adopt photon correlator which developed by large scale integrated circuit (DSP), multichannel, high-speed, identify photon signal of different particle size effectively.
- Fast testing: just spend 1-3 minutes testing sample and getting an accurate result.
- A precise temperature control system: temperature control precision of 0.5°C, to ensure accuracy of test results.
- High precision photomultiplier(PMT): imported photomultiplier(PMT), high sensitivity, high-speed, stable performance, precise recognition of each photon.
- High performance photon correlator: adopt photon correlator which developed by large scale integrated circuit(DSP), multichannel, high-speed, identify photon signal of different particle size effectively.
- Functional software: user-friendly interface makes operation easily, animation display. The software also has multi-language function, 17 languages switch easily; convert test report into the format of Excel, Word, etc; also the software integrates a test report edit function, provides 12 formats of Chinese and English for users to choose at any time.

## ►► Specification :

Size Range:	1-9500nm (In connection with sample)
Concentration:	0.1mg/ml~100mg/ml (In connection with sample)
Cell Volume:	8ml & 0.5ml
Temperature Control Range of Cell:	15°C~45°C
Laser Source:	Solid optical fiber laser, 20mw, 635nm
Scattering Angle:	90°
Detector:	PMT (Photomultiplier)
Connection Port:	USB
Correlator:	200 pcs physical channels
Operation System:	Win XP/ Win 7
Outer Dimension & Weight:	450*305*210mm, 15kg
Environmental Requirement:	10°C~75°C, humidity 0%~95%, no condensation

►► Schematic Diagram:



## 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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