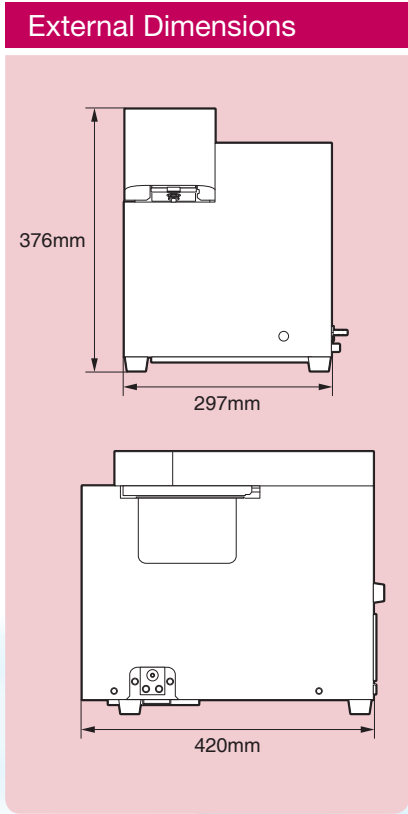


Specifications	
Measurement Principle	Laser Diffraction and Mie Light Scattering Theory
Analysis Materials	Powders, Slurries, Emulsions etc.
Measurement Output	Particle diameters and Size distribution, Size-related theoretical calculated values
Size Measurement Range	0.1 - 1000µm
Analysis Time	Typical measurement takes about 10 seconds from "Measure" to display the result
Measurement Method	Wet Method : Liquid dispersed particles with the Flow Sampling system
Required Sample Amount	10mg - 5g (depending on the sample size, distribution and materials)
Wet Flow System Liquid Volume	Approximately 130mL - 230mL
Organic Solvent Compatibility	Available in solvent resistant Flow Sampling version of Fraction Cell System (optional)
Measurement Performance Guarantee	HORIBA selected standard material use conditional support
Operation	USB 2.0
Data Processing / Results Display	Desktop or Laptop Computer / Printer
Operations Conditions	15°C ~ 35°C, 85% RH or less (Non-condensing)
Power	AC100V / 120V / 230V, 50Hz / 60Hz, 150VA
Dimensions	W297mm x D420mm x H376mm (excluding Computer)
Weight	Approximately 23kg
Optics	Light Source : Laser Diode 5mW, λ=650nm
	Analyser Classification : Class 1A Laser product
	Detectors : 1 x 64 Ring Detectors, 6 x Silicon Photo Detectors
	Ultrasonic : Ultrasonic Probe inside of the Flow System, 7 step Power adjustment
Wet Sampling System	Circulation Pumping System : Centrifugal Pump, 15 step Speed control
	Drain : Solenoid Valve
	Flow Cell material : Borosilicate Glass
Optional Accessories	Fraction Cell, Auto Fill Pump, Solvent resistant Circulation System

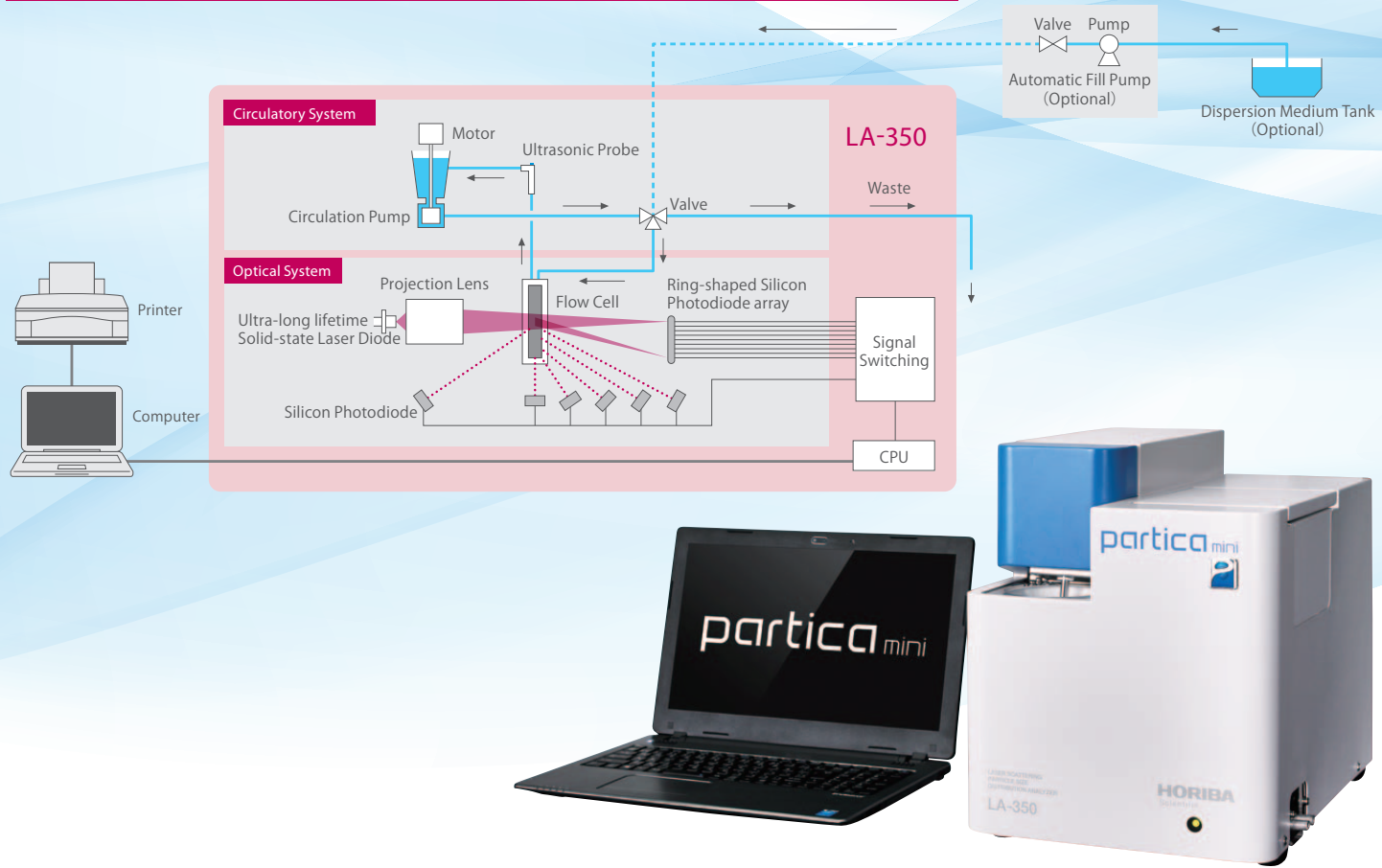


LA-350

partica mini

Laser Scattering Particle Size Distribution Analyser

System Configuration



Compact and Powerful - LA-350 Particle Size Analyser

HORIBA's LA-350 Particle Size Distribution Analyser, based on laser diffraction technology, provides the optimum combination of powerful performance, small footprint and attractive price.

This addition to HORIBA's portfolio of analysers renews the optics of previous generations, extending the particle size range, whilst maintaining the resolution, accuracy and precision synonymous with the HORIBA name.

The LA-350 offers a new user interface, simple maintenance and a rugged robust design for a wide range of environments.



Powerful, convenient and outstanding performance to meet your needs!

Small and Powerful

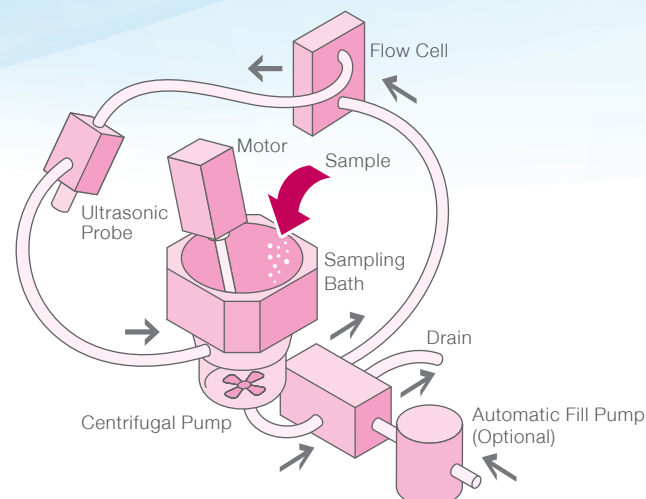
The perfect tool for Quality Control

Readily Transportable

The ultra-compact design makes the LA-350 ideal for situations where bench space is limited or when analysis at multiple sites is required.

The Perfect Partner for Production Environments

- Automated pumped filling for user safety and convenience
- Suitable for all types of samples
- Effective and versatile sample circulation

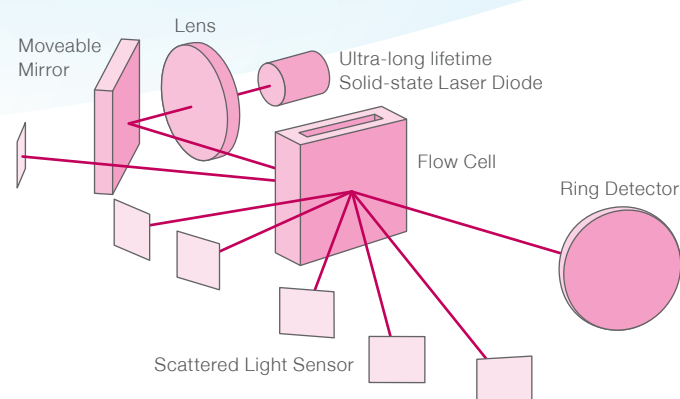


Instantaneous Optical Alignment

Automatic and rapid optical alignment before each measurement help to guarantee accuracy and precision.

Stable Optics with Robust Design

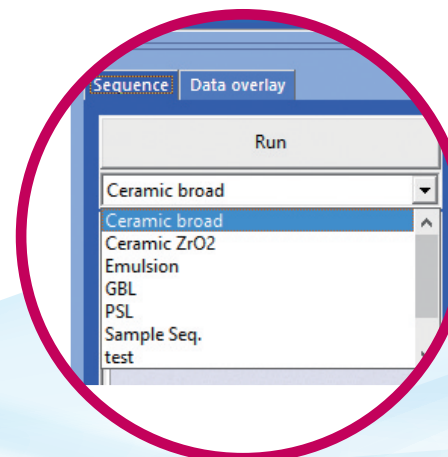
- Superior optical components used throughout
- Long-life laser diode guarantees ongoing performance
- Low maintenance design with easy access to measuring cell



Intuitive Operation with Pre-defined Methods

- Intuitive Software guides users effortlessly through the analysis
- Advanced features for R&D are also available

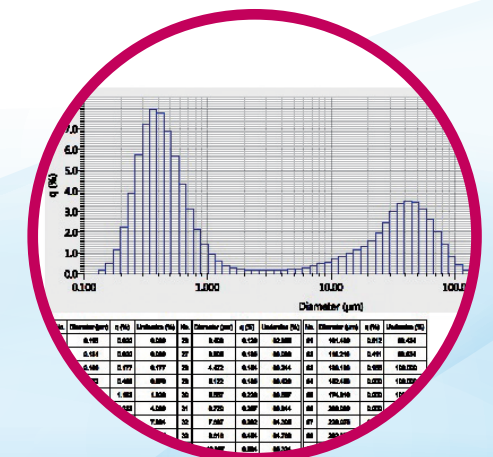
Easy-to-use 3 Step Operation



- From a drop-down menu, select the method already stored for the product to be analysed



- Introduce the sample



- Press the **Go** button and collect your results!

An Intelligent Design for Easy Maintenance

The flow cell can be removed and replaced without any tools!



Routine cleaning or switching of flow cells couldn't be easier. Users may access and remove the flow cell in seconds without any tools being necessary.

Optional Accessories | Small Volume Fraction Cell

Ideal for situations when very little sample is available. Sample suspension maintained by magnetic stirrer.



Outstanding Performance

Despite its size, there's no compromise on performance!

- Range : 0.1µm - 1000µm
- Measurement Accuracy : ±1.4% guaranteed with NIST traceable standard materials
- Conforms to ISO 13320 standards