Contents	Specification
Measurement Principle	Laser diffraction and Mie light scattering theory
Size Measurement Range	0.1-1,000 µm
Analysis Time	Typical measurement takes about 10 seconds from "Measure" to "display the result".
Analysis Materials	Powders, slurries, emulsions etc.
Measurement Output	Particle size and size distribution, size related theoretical calculated values
Measurement Method	Wet method: Liquid dispersed particles with flow sampling system
Required Sample Amount	10 mg-5 g (depending on the sample size, distribution and materials)
Wet Flow System Liquid Volume	Approximately 130-230 mL
Organic Solvent Compatibility	Available in solvent resistant flow sampling version or fraction cell system (optional)
Measurement Performance Guarantee	HORIBA selected NIST traceable standard materials
Interface	USB data communication with PC
Data Processing/Results Display	Desktop or laptop PC/LCD; Printer
Operating Conditions	15° to 35° C
	85% RH or less (non-condensing)
Power	AC100/120/230V, 50/60Hz, 150VA
Dimensions	W 297mm x D 420mm x H 376mm (excluding PC)
Mass	Approximately 23 kg
Optics	Light source: Laser diode 5mW, λ=650nm
	Analyzer Classification: Class 1A laser product
	Detectors: 64 ring detectors x 1, Silicon photo detectors x 6
Wet Sampling System	Ultrasonic: Ultrasonic probe inside of the flow system, 7 steps power adjustment
	Circulation pumping system: Centrifugal pump, 15 steps of speed control
	Drain: Solenoid valve
	Flow cell material: Borosilicate glass