

Laser scattering particle size distribution analyzer Model: LA-960V2

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| Measurement Principle | Mie scattering and Fraunhofer diffraction |
| Measurement range | 10 nm - 5000 μ m |
| Measurement Time | Typical measurement takes 60 seconds from liquid filling, sampling and measurement to rinsing. |
| Measurement Method | Circulation measurement or fraction cell measurement (Fraction cell is optional) |
| Sample Quantity | Approximately 10 mg - 5 g (Depending on the particle size, distribution and density) |
| Dispersing Volume | Approximately 180 mL for standard pumping system, 5/10/15 mL for FractionCell accessory, Manual filling : 35 mL, Automatic filling : 40 mL |
| Available carrier fluid | Aqua* (A type), Organic solvent (S type) (*Ethanol can be used as a dispersing additive) |
| Communication | USB 2.0 |
| Light Sources | Red solid state 5 mW laser diode (650 nm), Blue solid state 3 mW LED (405 nm) |
| Dispersion System | In-line ultrasonic probe: 30 W, 20 kHz, adjustable levels Circulation pump: Fully automated fill and circulation pumps, 15 adjustable speeds, 4 selectable fill levels, 15 selectable circulation speeds (max: 10 L/min) |
| Operating Conditions | 15~35°C (59 to 95°F), relative humidity 85% or less (no condensation) |
| Power | AC 100-240V 50/60Hz, 300VA |
| Dimensions | 705 (W) × 565 (D) × 500 (H) mm |
| Mass | 54 kg |
| Computer Requirements | PC operation, Software compatible with Windows® 10 32-bit and 64-bit environments, |