

Size Range: <1 nm to 6 μm depending on refractive index, concentration and scattering angle.

Precision: $\pm 1\%$ typically.

Sample Type: Most colloidal-sized materials, suspended in any clear liquid.

Sample Volume: 1 to 3 mL. **New:** 10 μL small-volume cells.

Temperature Control: 6° C to 100° C, $\pm 0.1^\circ\text{C}$, active control. No external circulator required.

Laser: 35 mW, solid state, standard. See options.

Scattering Angles: 15° & 90°.

Data Presentation: Average & width, lognormal fit, and multimodal size distribution standard.

Correlator: Brookhaven [TurboCorr](#), multitaup, research grade with 510 channels, covering the equivalent of 10^{10} linearly-spaced channels, 100% efficiency, real-time operation over the entire delay-time range.

Computer: Built-in PC. Windows™ Software included. Check with factory for latest specifications. External computer optional.

Printer: Color inkjet, standard. Others available.

Monitor: LCD.

Power Requirements:

100/115/220/240 VAC, 50/60 Hz, 300 Watts.

Dimensions:(excluding monitor and printer)

267(H) x 625(W) x 445(D) in millimeters.

Weight:(excluding monitor and printer)

37 kg.

Environmental Characteristics:

Temperature 10° C to 75° C

Humidity 0% to 95%, non-condensing