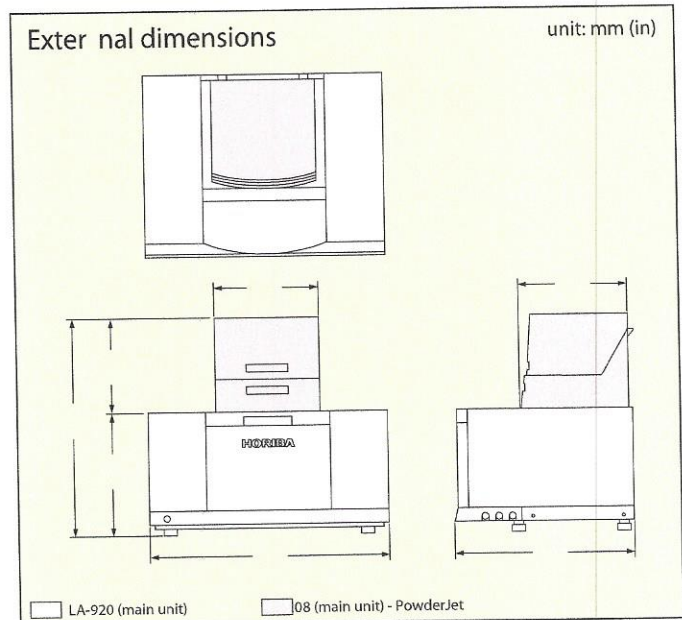


## LA-920 laser scattering particle size distribution analyzer

Measuring principle: Mie scattering  
 Particle size measurement range: 0.02 $\mu$ m to 2,000 $\mu$ m  
 Measuring time: Generally 20 sec.  
 (from measurement start to display of results)  
 Precision: Within 0.6% of the claimed tolerance for HORIBA selected  
 NIST<sup>R</sup> traceable standard particles.  
 (polystyrene latex; discounting tolerance of the standard particle size)  
 Measurement method: Manual flow cell measurement  
 Manual fraction cell measurement (Fraction cell holder required)  
 Auto-sampling measurement  
 (Auto-sampler required)  
 Dry measurement (PowderJet dry feeder required)  
 Amount of sample required: 10 mg to 5 g  
 (For flow cell measurement; differs with test samples)  
 Dispersion medium: Approx. 200 ml (when using flow cell)  
 Data transmission: RS-232C (between analyzer and PC)  
 Measuring unit:  
 Optical system  
 Light source: He-Ne laser (632.8 nm) 1 mW; tungsten lamp, 50 W  
 Detector: Ring shaped 75-section silicon photo diode array (1)  
 Silicon photo diodes (12)  
 Circulating system  
 Ultrasonic probe, 30 W, 22.5 kHz  
 Flow cell: Tempax glass  
 Operating environment: 15 to 35 $\text{C}$ , under 85% RH (no condensation)  
 Power supply: AC 100/115/230 V, 50/60 Hz, 300 VA  
 External dimensions: 690 (W) x 520 (D) x 355 (H) mm  
 27.2 (W) x 20.5 (D) x 14.0 (H) in  
 Weight (measuring unit): Approx. 55 kg  
 Data processing, operating unit:  
 PC: IBM compatible computer running under PC/Windows 95 or 98  
 Printer  
 Monitor

## Options

LY-201 Reservoir (with water)  
 LY-202 Auto-sampler  
 LY-203 Fraction cell holder  
 LY-208 PowderJet dry feeder  
 Paste cells/cell holder



Class 1 laser product

Horiba continues contributing  
 to the preservation of the global  
 environment through analysis  
 and measuring technology.



Please read the operation manual before using this product to assure safe and proper handling of the product.

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