

**Name of the instrument/equipment/machine: Particle size analyzer**

**Description**

**Make:** Horiba, Japan  
**Model:** LA-950A2  
**Specification:**  
 Suitable for both dry and liquid sample



**Working principle**

Primarily use laser diffraction (static light scattering) theory to measure particle size distributions ranging from below 1 nm to several millimeters. The principle involves directing a laser beam at a sample, measuring the angular intensity of the scattered light, and using that data to calculate particle size

**Applications**

Determines particle size of different food material

**User instructions**

Refractive index of samples to be analyzed is required for measurements.

**Contact us**

**Head, FG&OP/ I/c Bioengineering properties Lab.  
 ICAR-CIPHET, Ludhiana  
 Email: bepl.ciphet@gmail.com  
 Ph: 0161-2313140**

**Charges\***

	<b>Cost , Rs.</b>	<b>GST @ 18%, Rs.</b>	<b>Total cost, Rs.</b>
<b>Students (Other than those associated with CIPHET as advisees) / CIPHET Licensees</b>	<b>275</b>	<b>49.5</b>	<b>~325</b>
<b>MSME Entrepreneurs (Other than CIPHET Licensees)</b>	<b>300</b>	<b>54</b>	<b>354</b>
<b>Other national laboratories/ R&amp;D organizations</b>	<b>350</b>	<b>63</b>	<b>413</b>
<b>Industries</b>	<b>400</b>	<b>72</b>	<b>472</b>

\*The samples will be analyzed in duplicates. In case of any deviation, a triplicate analysis will be done.