

## **DYNAMIC LIGHT SCATTERING PARTICLE ANALYZER**

<b>Sr#</b>	<b>Description</b>	<b>Qty</b>
1	<b><u>DYNAMIC LIGHT SCATTERING PARTICLE ANALYZER:</u></b> Parameter measured: Size, zeta potential, Molecular weight Measurement range: 5 nm - 50 µm (diameter) Measurement principle: Dynamic Light Scattering Standard laser: 4mW, 633 nm Temperature control range ; 0-90 °C Correlator: 25 nS to 8000s, max 4000 channels Minimum sample volume: 20µL Accuracy: Better than +/-2% on NIST traceable latex standards. Precision/ Repeatability: Better than +/-2% on NIST traceable latex standards. Min concentration, protein: 10mg/mL, 15kDa protein Zeta potential range : >+/-500mV Mobility range : > +/-20µcom/V.s Maximum sample concentration : 40 % w/v* Maximum sample volume (using diffusion barrier): 20 µL Maximum sample conductivity : 200mS/cm Measurement, range: <1000Da – 2x10 <sup>7</sup> Da Molecular weight range: <1000Da - 2x10 <sup>7</sup> Da Minimum sample volume: 20µL (3-5 sample concentrations required). Accuracy: +/- 10% typical. Laser safety: Class 1 Dimensions (W, D, H): 320mm, 600mm, 260mm Weight: 19 kg	01
2	<b><u>ACCESSORIES:</u></b> <ul style="list-style-type: none"> <li>• MPT-2 autotitrator and degasser</li> <li>• SV-10 viscometer</li> <li>• Agitator</li> <li>• Dip cell</li> <li>• Glass or quartz cell</li> <li>• High concentration cell</li> <li>• Disposable "polystyrene" cuvettes-Standard and Small volume</li> <li>• Surface zeta potential cell (sample 5mm x4mm)</li> <li>• Laptop Installed with software</li> </ul>	01 01 01 03 03 03 03 03 01