

## Zetasizer

QTY : 01 No

(Software for data acquisition, measurements and analysis of particle size, zeta potential, electrophoretic mobility, isoelectric point, molecular weight)

Particle size range: 0.3 nm to 8  $\mu$ m

Zeta potential : Minimum: -/-200 mV

Molecular weight: About 500 Da –  $2 \times 10^7$  Da

Particle size measurement accuracy:  $\pm 2\%$  for NIST traceable polystyrene latex

Measurement angles: 13° or 90° and 173° (automatic or manual selection)

Measurement time: Approx. 2 min. under ordinary conditions

Measurement conductivity range: 0 to 20 S/m

Light source: Laser Class1 (532 nm, 10mW)

Detectors: Photomultiplier tubes

Operating temperature and humidity: 15-35°C, RH 85% or less (non condensing)

Suitable for liquids: water, ethanol, organic solvents

Cells: Cuvettes

Holder temperature : 1 – 90° C

Purging: Dry gas purge port tube connection is possible

Power supply: AC 240 V, 50/60 Hz,

Accessories:

Ten packs with each of following cell

A Disposable cell	1.2 mL	Aqueous
B Semi-micro cell	500 $\mu$ L	Aqueous, non-aqueous
C Glass cell	1.2 mL	Aqueous, non-aqueous
D Semi-micro disposable cell	600 $\mu$ L	Aqueous
E Cell with lid	1.2 mL	Aqueous, non-aqueous
F Micro cell (90° only)	12 $\mu$ L	Aqueous, non-aqueous
G Sub-micro cell	200 $\mu$ L	Aqueous, non-aqueous
H Flow cell	100 $\mu$ L	Aqueous, non-aqueous

Advanced high speed laptop for monitoring and performing experiments

01 No.

Spares and consumables for five years

Warranty of unit : 18 months