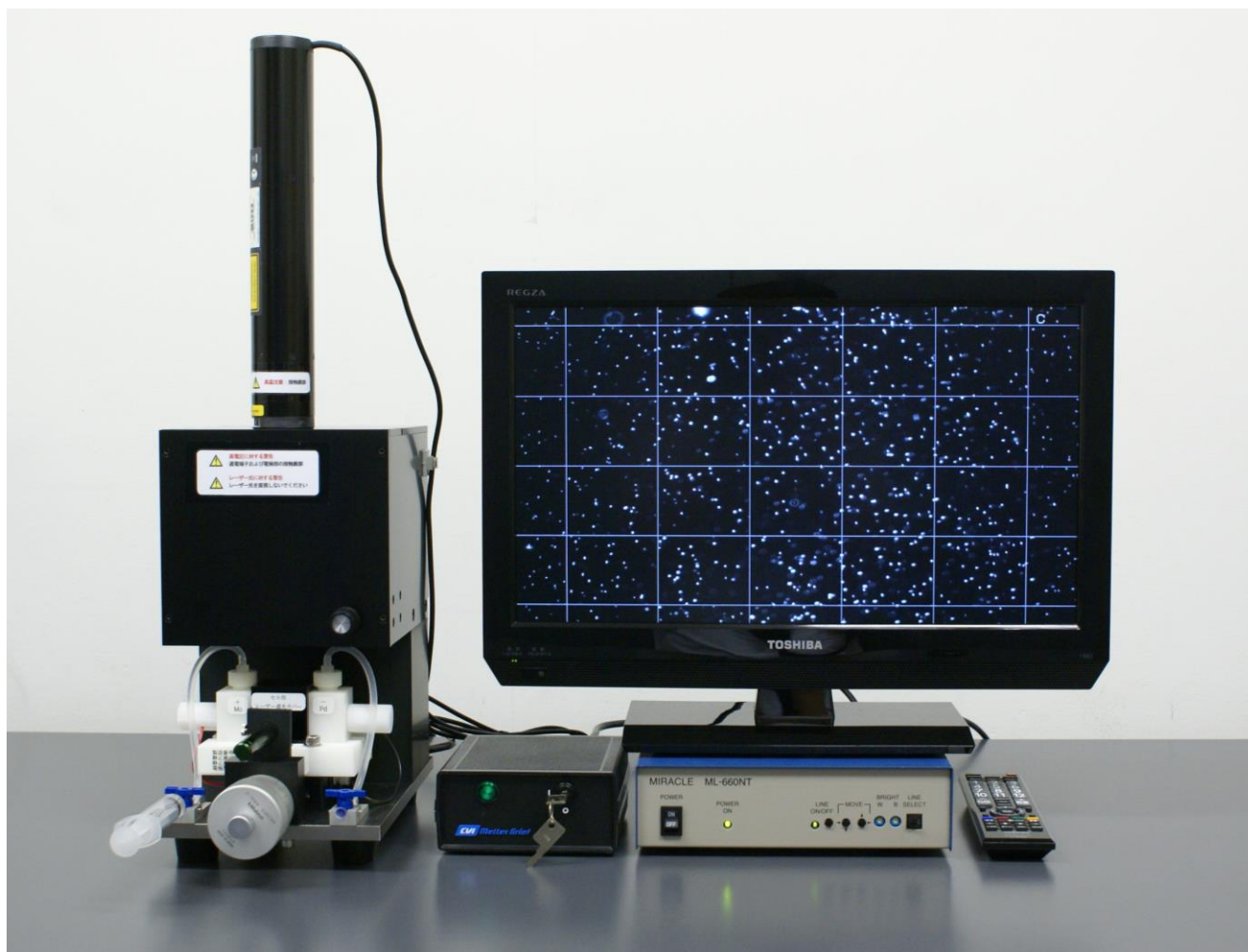


The Simple Solution to Zeta Potential Measurements
in Diluted Colloids

Zeta Potential Meter

Model 502



- Traditional measurement principle; Micro Electrophoresis
- There is no black box
- Low price
- There are some optional accessory products for wide-ranging needs



DC power supply unit

Set price

¥2,000,000.- ~

Nihon Rufuto Co., Ltd.

FEATURE

● Observation of nanoparticles by laser dark field illumination

502's unique ultra-microscope design provides a high contrast image even for nano-sized particles. Depending on the refractive index of the particles relative to the suspending media, measurements can be made on particles as small as 20nm.

● Observation of the particles in stational layer

High level laser optical system and high performance CCD camera can observe only the particles in stational layer. It provides a highly precise result without being affected by the electroosmotic flow.

● The rectangular electrophoresis cell which was put up horizontally

The horizontally stood rectangular cell provides a highly precise result. Because the layout is hard to occur the non-symmetrization of the electroosmotic flow caused by the sedimentation of particles on the chamber wall.

Optional accessory products

● Rotating Prism Controller

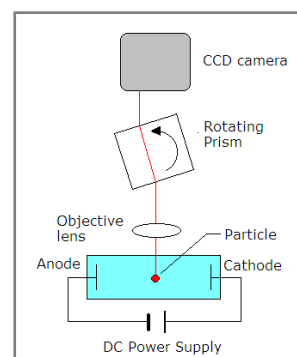
The zeta potential value of the particle is displayed digitally when we adjusted the observed particles to appear stationary using the rotating prism technique.

● Imaging analysis

● non-aqueous unit



Rotating Prism controller



Rotating Prism system

TECHNICAL DATA

<ul style="list-style-type: none"> ● Principle: Micro Electrophoresis <ul style="list-style-type: none"> ● Stopwatch ● Rotating Prism (Optional) ● Imaging analysis (Optional) ● Particle size range: Typically 20 nm to 50 μ m depending on refractive index and sedimentation ● Optical system: <ul style="list-style-type: none"> Light source: 632.8 nm He-Ne laser Microscope magnification: $\times 280$ TV monitor: CCD monochrome camera and 19" color TV 	<ul style="list-style-type: none"> ● Measurement range: ± 100 mV ● Sample required: 3~10 mL ● Electrophoresis chamber: <ul style="list-style-type: none"> cross section: 1 \times 10 mm construction: pure silica electrode separation: 4.88 cm max field strength: 30 V/cm anode: molybdenum cathode: palladium electrode compartments: derlin ● Supply voltage: 0~160 V ● Power required: 100 VAC, 50/60 Hz
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Specifications and descriptions in this brochure subject to change without notice.



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