

| Model                  |                              | Winner 803   |
|------------------------|------------------------------|--|
| Standard               |                              | GB/T 19627-2005/ISO 13321:1996<br>GB/T 29022-2012/ISO 22412:2008   |
| Measure range          |                              | 1nm-10000nm (reference to sample)  |
| Concentration range    |                              | 0.1mg/ml--100mg/ml   |
| Accuracy error         |                              | <1%( average size of CRM)  |
| Repeatability error    |                              | <1% ( average size of CRM)   |
| Light source           |                              | Semiconductor laser $\lambda = 532\text{nm}$ P=30 mW<br>Auxiliary blue laser $\lambda = 450\text{nm}$ P=5.0 mW |
| Detector               |                              | PMT -Imported Japan HAMAMATSU photo-multiplier (19-90°C)   |
| Scattering angle       |                              | 90°  |
| Sample cuvette         |                              | 1-4mL  |
| Test temperature       |                              | 5-90 °C ( temperature controller 5-90°C, precision within 0.1°C )  |
| Test speed             |                              | <5 Min   |
| Power Supply           |                              | 220V 50HZ/60HZ   |
| Outer Dimension        |                              | L48cm*W27cm*H17cm  |
| G.W.                   |                              | 12Kg   |
| Operation system (MIN) |                              | Win XP/Win 7/Win 10 64 bits, USB port: 2.0 /3.0  |
| Analysis               |                              | Average particle diameter, particle distribution,<br>photon counting rate etc.                                 |
| Digital<br>Correlator  | Model                        | CR256  |
|                        | Auto-correlation<br>channels | 256  |
|                        | Baseline<br>channel          | 4  |
|                        | Unit delay time              | 100ns-10ms   |