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## Particle size analyzer Photocor Mini



### Products

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## Features

Simple low-cost instrument for particle size measurements.

All basic features of the dynamic light scattering technique are available.

Fast measurements and high reproducibility of results.

Simple procedure of sample preparation, small sample volume.

High-sensitive APD photon counting system.

Low power consumption, USB-powered. Notebook battery enough for operation of the system.

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## Specifications

|                   |   |
|-------------------|---|
| Measurement range | Particle size: 0.5 nm to 10 $\mu\text{m}$ <sup>1</sup> (diameter) |
|-------------------|---|

|                             |  |
|-----------------------------|--|
|                             | Diffusion coefficient: $10^{-5} \dots 10^{-10} \text{ cm}^2/\text{s}$  |
| Accuracy                    | $\pm 1\%$  |
| Sample volume               | 50 $\mu\text{L}$ to 4 mL   |
| Scattering angle            | 90°  |
| Signal processing           | Auto- and cross-correlation operation modes. Linear and logarithmic (multiple-tau) time scale. True real-time operation up to the fastest sample-time of 10 ns |
| Laser                       | Diode laser: 638 nm, 15 mW   |
| Thermostat                  | Real-time monitoring of temperature, accuracy 0.1°C  |
| Dimensions / weight / power | 250 x 280 x 100 mm / 3.8 kg / 5 V, 0.3 A (USB powered)   |

<sup>1</sup> - depends on the optical characteristics of the samples