

Particle Sizer

ANALYSETTE 28

ImageSizer

Order No. 28.2000.00

PRODUCT DETAILS

PRODUCT INQUIRY

TECHNICAL DATA

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Measuring range	dry measurement: 20 µm - 20 mm wet measurement: 20 µm - 2.8 mm
Method of analysis	Dynamic Image Analysis
Standard	ISO 13322-2
Type of analysis	dry measurement of free-flowing powders and bulk solids wet measurement of suspensions and emulsions
Measurement values	particle shape and particle size
Lenses	dry measurement: 3 different, easy to change telecentric lenses, measuring ranges: 1.90 µm - 20 mm, depth of field approx. 27 mm 2.40 µm - 9 mm, depth of field approx. 5 mm 3. 20 µm - 4.5 mm, depth of field approx. 1.2 mm wet measurement: telecentric lens (included in the wet dispersion unit), measuring range: 20 µm - 2.8 mm

Size of the measuring field (FoV)	<p>dry measurement:</p> <p>3 lenses</p> <ol style="list-style-type: none"> 1. 53.8 x 45 mm 2. 24.1 x 20.2 mm 3. 11.5 x 9.62 mm <p>wet measurement:</p> <p>lens</p> <p>6.34 x 5.3 mm</p>
Camera	<p>5 megapixel CMOS camera</p> <p>2,448 x 2,050 pixel resolution</p> <p>USB 3.0</p>
Typical measuring time	< 5 min (depending on the desired measuring statistics)
Typical sample quantity	<p>dry measurement: 10 - 100 g</p> <p>wet measurement: 0.1 - 1 g</p>
Measuring speed	max. 75 images/s
Evaluation	fast image analysis for morphology description and particle size determination
Computer	pre-installed ImageSizing-Software ISS for controlling, recording and evaluating your measuring results (deliveries to CIS countries without computer)
System requirements (for computers supplied by customer)	<ul style="list-style-type: none"> - Standard Windows PC with Intel Core i7 Quad Core processor or better - at least 8 GB system memory - primary drive: 256 GB SSD - secondary drive: at least 1 TB HDD - USB 3.0 - monitor with 1,920 x 1,080 pixel or better - Windows 7 or higher (64 bit) - PDF reader
Dimensions (w x d x h)	<p>dry measurement: 90 x 30 x 55 cm</p> <p>wet measurement: 122 x 62 x 55 cm</p>
Net weight	<p>dry measurement: 36.8 kg</p> <p>wet measurement: 68.6 kg</p>

Meets the requirements of ISO 13322-2 for Dynamic Image Analysis.