

Technical data Spherometer

	SpheroCompact®	SuperSpherotronic® HR	UltraSpherotronic®
Radius (convex)	+2,5 mm ... ∞	+2 mm ... ∞ ¹⁾	+2 mm ... ∞ ¹⁾
Radius (concave)	-4 mm ... ∞	-4 mm ... ∞	-4 mm ... ∞
Travel of linear encoder	±12,5 mm	±30 mm	±30 mm
Diameter of sample	6 mm ... 500 mm	6 mm ... 500 mm	6 mm ... 500 mm
Resolution of the linear encoder	0.1 µm	0.1 µm	0.02 µm
Absolute accuracy of the linear encoder	±0.5 µm	±0.5 µm	±0.1 µm
Measurement accuracy ²⁾	Up to ±0.05 %	Up to ±0.01 %	Up to ±0.005 %
Height	140 mm	289 mm	289 mm
Diameter	90 mm	185 mm	185 mm
Weight	1.5 kg	6.5 kg	6.5 kg
Type	table top device	table top device	table top device

1) Radius measurement of < +4 mm requires exchange of the ruby gauge head an use of the precision ring 3.5 mm.

2) The maximum measurement accuracy depends on the sample's radius and the ring used. For detailed information on specific measurement tasks, please contact your sales partner.