

SpiroScout

Desktop spirometer



Technical Data

Flow measurement

Method	Ultrasound transit time
Range	0 to ± 18 l/s
Accuracy	$\pm 2\%$ or 0.05 l/s (for 0.0 to ± 16.0 l/s)

Volume measurement

Method	Digital integration
Range	0 l to 30 l
Accuracy	$\pm 2\%$ or 50 ml

Dimensions

Method	180 x 90 x 90 mm (W x H x D)
Weight	1000 g (sensor 185 g, station 730 g, cable 85 g)

Breathing insert

Breathing resistance	0.02 kPa/l/s
Dead space	18 cm ³ (pediatric inlet available)
Material	Polyethylene

Computer interface

Data transfer to PC	USB 2.0
USB connection	Connector A - B, double shielded, 2x AWG24, 2 x AWG28

Power supply

Standard	Powered via USB 2.0 Power supply: 500 mA
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Standards

Certified	ISO 13485
FDA	510(k) market clearance
MDR (EU) 2017/745	CE 0123
Electrical safety	EN 60601-1 (Third Edition)