

Specifications

Scepter™ 3.0 Instrument Body

Body Material	Acrylonitrile butadiene styrene (ABS) body, polycarbonate digital screen, silicone control buttons
Height	28.321 cm (11.15 in.)
Width	6.350 cm (2.5 in.)
Depth	10.922 cm (4.3 in.)
Weight (approximate)	229.5 g (0.5 lb)

Wireless Connection Specifications

Wireless (Wi-Fi®, WLAN) Network	IEEE 802.11 b/g/n, 1MByte/s, up to 25m line-of-sight 2.4 Ghz
Bluetooth® Network	IEEE 802.15.1, support FTP, OPP and Bluetooth® 2.4 Ghz Low Energy features, 8m line-of-sight

Electrical Specifications

Handheld Instrument	Internal rechargeable 3.7 V lithium ion battery
Charging Station to Recharge Battery	Input 100–240 V~ (50/60 Hz), 0.2 A Output 5 Vdc, 1 A

Operating Environmental Conditions

Temperature	15 °C to 25 °C
Maximum Relative Humidity	20–80% (non-condensing)

Storage Conditions

Temperature	15 °C to 30 °C
Maximum Relative Humidity	20-80% (non-condensing)

Scepter™ 3.0 Sensor

Material	Polycarbonate with mylar polyester film
Height	8.6 cm (3.4 in.)
Width	1.6 cm (0.6 in.)
Weight	2.3 g (0.1 oz)
Aspiration Volume	50 µL
Sensor Orifice/Aperture	40 µm or 60 µm

Sensor Performance

	40 µm sensor	60 µm sensor
Sample Volume Required	≥ 100 µL	≥ 100 µL
Operating Range		
Cell Size	5 µm–15 µm	8 µm–25 µm
Cell Concentration	50,000–1,500,000 cells/mL	10,000–500,000 cells/mL
Processing Time	< 40 seconds	< 30 seconds

Contact Information

For the location of the office nearest you, go to SigmaAldrich.com/offices.

Technical Assistance

Visit the tech service page on our web site at SigmaAldrich.com/techservice.

Standard Warranty

The applicable warranty for the products listed in this publication may be found at SigmaAldrich.com/terms.