

SPECIFICATION SHEET: PERSONAL SILICA MONITORING KIT



INCLUDES:

- Conductive Plastic Respirable Dust Cyclone 37 mm
- 1/4" Plastic Tubing
- Pump
- Safety Clip Attachment

Pump Specifications	
Nominal Flow Range	Constant flow from 1000 to 5000 ml/min <i>*5 to 500 ml/min requires low flow holder</i>
Nominal Range of Pressure Drop	<ul style="list-style-type: none"> • 5000 ml/min @ 20 in H₂O back pressure • 4000 ml/min @ 30 in H₂O • 3000 ml/min @ 40 in H₂O • 2000 ml/min @ 50 in H₂O • 1000 ml/min @ 60 in H₂O
Power	Removable rechargeable Li-Ion battery (7.4 V, 2.6 Ah, 19.2 Wh) AC power via charging cradle
Operating Time	40+ hours at 2000 ml/min 15+ hours at 5000 ml/min Indefinite when powered by cradle
Accuracy	Flow: ± 5% of set-point Atmospheric pressure: ± 0.3 inHg Temperature: ± 1.0 °C
Display/Parameters	High-contrast backlit LCD Battery status and elapsed run time
User Interface	Eight-area capacitive touch screen Auto lock option
Sound Level	51.7 dB (average) at 3 ft (1 m) using 37-mm, 0.8-µm MCE filter cassette
Case Material	Polycarbonate with rubberized anti-static overmolding IP6x dust-tight enclosure
Tubing	Requires 1/4-inch ID tubing
Dimensions/Weight	10.4 x 9.4 x 7.1 cm 550g
Temperature Ranges	<ul style="list-style-type: none"> • Operating: 0 to 40 °C • Charging: 0 to 45 °C
Humidity Ranges	<ul style="list-style-type: none"> • Operating: < 95% RH, non-condensing • Storage: < 95% RH, non-condensing
Certifications/Markings	Intrinsically safe Compliant with: ATEX, IECEx, UL, UKCA, CE ISO 13137:2022 compliant RoHS compliant