

Technical Specification

Description	Compact, battery powered, quantitative capnograph for mainstream CO ₂ monitoring of adult, pediatric and infant patients.。
Measurements	CO ₂ partial pressure and respiratory rate
Measuring principle	2 channel NDIR type gas analyzer, No moving parts
Warm up	Waveform displayed within 10 seconds, meets specifications within 2 minutes (at 25°C room temperature)
Calibration	No routine calibration required
CO ₂ Range	0~99 mmHg 0~9.9 % 0~9.9 kPa
CO ₂ Resolution	1mmHg or 0.1kPa or 0.1%
CO ₂ accuracy	0~40mmHg ±2 mmHg 41~99mmHg ±8% of readings When RR is above 80 bpm ±12% of readings
Drift of CO ₂ measurement accuracy	Short drift: Less than 1 mmHg offset in 4 hours Long drift: Meet measurement accuracy requirements within 120 hours
CO ₂ noise	Noise RMS less than 1mmHg at 5% CO ₂
Total system response time	Less than 500ms
Recovery time after defibrillator test	Unaffected
Respiratory rate	3~150 bpm
Respiratory rate accuracy	±1 bpm
ETCO ₂ Calculation Method	Peak of the expired CO ₂ waveform



Compensation	Built-in atmospheric pressure sensor, automatic pressure compensation
Display	128 *128 pixels 1.44 inch TFT color display
Dimensions	51 x 43 x 45 mm
Weight	<65 g (Included batteries)
Mechanical robustness	Withstands repeated 1 m drops. Meets the shock and vibration requirements for transport of EN ISO 80601-2-55:2011 clause 201.15.3.5.101.2 and EN 1789:2007 clause 6.3.4.2 and 6.4.1.
Operating conditions	Temperature: 0 – 40 °C Humidity: <90% (non-condensing) Atmospheric pressure: 50-120 kPa
Storage conditions	Temperature: -20 – 70 °C Humidity: <95% (non-condensing) Atmospheric pressure: 50-120 kPa