

EMMA™ Capnograph

Immediate capnography at your fingertips



- **Immediate results** — EMMA requires virtually no warm-up time, with full accuracy in 15 seconds to measure end-tidal carbon dioxide (EtCO₂) and respiration rate (RR)
- **Continuous capnogram** allows for confirmation of endotracheal tube placement, enables clinicians to assess the depth and effectiveness of compressions, and recognize return of spontaneous circulation (ROSC)
- **Small, portable capnograph** — lightweight design fits in the palm of your hand for unmatched mobility and convenience during short-term EtCO₂ monitoring of adult, pediatric, and infant patients
- **Flexible use at multiple points of care**, including pre-hospital, emergency medicine, operating room, intensive care unit, and long-term acute care
- **Helps clinicians assess the effectiveness of CPR and guide ventilation**, allowing them to make adjustments in the course of treatment, breath by breath
- **Rugged, water-resistant design** for reliable operation in challenging environments
- **Easy to maintain** — no routine calibration required

FEATURES

- > **Clear, continuous capnogram** of carbon dioxide values
- > **Simple, easy-to-use interface** for quick set-up and one-touch programming
- > **Audible and visual alarm system** for No Adapter, Clogged Adapter, No Breath (Apnea), Low Battery and adjustable High and Low EtCO₂ alarm
- > **Long battery life**—up to 10 hours of normal use with two standard AAA lithium batteries



PERFORMANCE

RANGES

CO ₂	0-99 mmHg 0-9.9 kPa
RR.....	3-150 bpm

ACCURACY (STANDARD CONDITIONS)

CO ₂	0-40 mmHg ± 2 mmHg; 41-99 mmHg 6% of reading 0-5.3 kPa ± 0.3 kPa; 5.4-9.9 kPa 6% of reading
RR.....	± 1 bpm

BATTERIES

Type.....	2 (two) AAA Cell Alkaline or Lithium
Battery life.....	6 hours (Alkaline) 10 hours (Lithium)

ENVIRONMENTAL

Operating temperature	-5 to 50° C (23 to 122° F)
Operating atmospheric pressure	70 to 120 kPa
Operating humidity.....	10-95%, non-condensing
Storage temperature	-30 to 70° C (-22 to 158° F)
Storage atmospheric pressure	50 to 120 kPa

PHYSICAL CHARACTERISTICS

Dimensions	2.1 x 1.5 x 1.5" (5.2 x 3.9 x 3.9 cm)
Weight	2.1 oz (59.5 g) (with Alkaline batteries)

ADAPTER INFORMATION

Dead space adult/pediatric.....	6 ml
Dead space infant	1 ml

KIT



> EMMA Kit*

EMMA (mmHg) PN 3639
EMMA (kPa) PN 3678

ACCESSORIES



> EMMA Airway Adapter

Adult/Pediatric
Box of 25
PN 17448



> EMMA Airway Adapter

Infant
Box of 10
PN 17449

*In order for the EMMA Kit to provide readings, either of the listed airway adapters is required. Kit includes EMMA, pouch, and lanyard.

Caution: Federal law restricts this device to sale by or on the order of a physician.

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