

# EMMA™ Mainstream Capnometer

Immediate capnometry at your fingertips

EMERGENCY MAINSTREAM CAPNOMETER



*Actual Size*

- > **Small, portable capnometer**, EMMA requires virtually no warm-up time, with full accuracy in 15 seconds to measure end-tidal carbon dioxide (EtCO<sub>2</sub>) and respiration rate
- > **Compact, lightweight design fits in the palm of your hand** for unmatched mobility and convenience
- > **Used for short-term EtCO<sub>2</sub> monitoring for 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

- > **Simple, easy-to-use interface** for quick setup and one-touch programming
- > **Audible and visual alarm system** for No Breath Detected, No Adapter, Check Adapter, and adjustable high and low EtCO<sub>2</sub> alarm
- > **Long battery life**—up to 12 hours of normal use with two standard AAA lithium batteries

**One-touch Alarm Limits**  
One-touch alarm limits and visual alarm status indicator, silence active alarms for two minutes

**Bar Graph**  
Highly visible bar graph provides continuous feedback on end-tidal carbon dioxide concentration, breathing activity, or alarm status

**Power Button**  
Warm-up time to full accuracy in 15 seconds



**EtCO<sub>2</sub>**  
Quantitative EtCO<sub>2</sub> is updated every breath (also available in kPa)

**RR**  
Respiratory Rate is displayed after two breaths and updated every breath

**Airway Adapter**  
Comes in adult/pediatric and infant sizes

## PERFORMANCE

RANGES	ENVIRONMENTAL
CO <sub>2</sub> ..... 0-99 mmHg 0-9.9 kPa	Operating temperature ..... -5 to 50 C (23 to 122° F)
RR ..... 3-150 bpm	Operating atmospheric pressure ..... 70 to 120 kPa
<b>ACCURACY (STANDARD CONDITIONS)</b>	Operating humidity ..... 10-95%, non-condensing
CO <sub>2</sub> ..... 0-40 mmHg ±2 mmHg; 41-99 mmHg 6% of reading	Storage temperature ..... -30 to 70 C (-22 to 158° F)
0-5.3 kPa ±0.3 kPa; 5.4-9.9 kPa 6% of reading	Storage atmospheric pressure ..... 50 to 120 kPa
RR ..... ±1 bpm	<b>PHYSICAL CHARACTERISTICS</b>
<b>BATTERIES</b>	Dimensions ..... 2.1" x 1.5" x 1.5" (5.2 x 3.9 x 3.9 cm)
Type ..... 2 (two) AAA Cell Alkaline or Lithium	Weight ..... 2.1 oz (with Alkaline batteries)
Battery life ..... 8 hours (Alkaline)	<b>ADAPTER INFORMATION</b>
12 hours (Lithium)	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.**