

# EMMA™ Capnograph

Immediate capnography at your fingertips



*Actual Size*

- > **Immediate results** — 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 (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 EtCO<sub>2</sub> 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 EtCO<sub>2</sub> alarm
- > **Long battery life**—up to 10 hours of normal use with two standard AAA lithium batteries

### Alarm Limits

Alarm limits and visual alarm status indicator, silence active alarms for two minutes

### Capnogram

14.4 second sweep of CO<sub>2</sub> values

### Power Button

Warm-up time to full accuracy in 15 seconds

### End-tidal Carbon Dioxide

Quantitative EtCO<sub>2</sub> is updated every breath (Model 3678 displays in kPa)

### Respiration Rate

RR is displayed after two breaths and updated every breath

### Airway Adapter

Available in adult/pediatric and infant sizes



## PERFORMANCE

### RANGES

CO <sub>2</sub> .....	0-99 mmHg 0-9.9 kPa
RR.....	3-150 bpm

### ACCURACY (STANDARD CONDITIONS)

CO <sub>2</sub> .....	0-40 mmHg $\pm 2$ mmHg; 41-99 mmHg 6% of reading 0-5.3 kPa $\pm 0.3$ kPa; 5.4-9.9 kPa 6% of reading
RR.....	$\pm 1$ 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.**