



# MARIE™ Capnograph

Hospital-grade respiratory monitoring with home care ease of use

Respiratory complications are among the most preventable yet dangerous threats to patient safety. Hypoventilation, CO<sub>2</sub> retention and undetected apnea events often go unnoticed in many settings since continuous and accurate respiratory monitoring traditionally has been limited to intensive care or intubated patients.

EtCO<sub>2</sub>

End-Tidal  
Carbon Dioxide

RR

Respiration Rate

O<sub>2</sub>

Supplementary  
Oxygen Flow Rate

## MARIE, a game-changer

The MARIE Capnograph is a new, innovative and wearable monitor that delivers real-time capnography for both intubated and non-intubated patients. It brings advanced respiratory monitoring to new environments, from the emergency setting to the ward and into the patient's home.

## Why MARIE?

- › Solves Real Problems: Detects respiratory decline early.
- › Expands Access: Provides critical capnography beyond the ICU and OR.
- › Designed for Action: Lightweight, intuitive and rugged.

# MARIE™ Capnograph – Key Benefits

## Wearable Capnography

Continuous EtCO<sub>2</sub> and Respiratory Rate display with clear waveform and trends.

## Easy to Use

Supports both spontaneously breathing and intubated patients with a choice of different nasal or airway adapter sets.

## Integrated Oxygen Delivery

Monitors and delivers supplementary oxygen quietly and comfortably up to 12 L/min.

## Nasal Airflow Monitoring

Sleep apnea adapter set provides measurements of nasal pressure.

## CPR-Mode

Supports and optimizes cardiopulmonary resuscitation.

## Durable

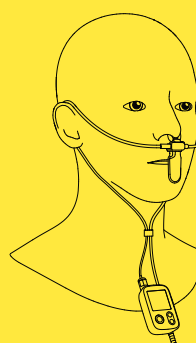
Up to 16 hours of battery life in a compact and rugged form factor.

## Hassle-Free

No routine calibration required.

## Applications

- › EMS & Ambulance Care
- › Emergency Departments
- › Procedural Sedation
- › Wards & Step-Down Units
- › Postoperative Monitoring
- › Home Respiratory Care & Sleep Apnea Assessments



## Essential Alerts

- › No Breath
- › Abnormal Respiratory Rate
- › Abnormal EtCO<sub>2</sub>
- › CPR Quality & ROSC Indication
- › Rising EtCO<sub>2</sub> Trend During Supplementary O<sub>2</sub>
- › Hypopnea & Mouth Breathing Detection During Sleep

Parameter	Specification
CO <sub>2</sub>	0 – 114 mmHg, 0 – 15 kPa / vol%
Respiration Rate	3 – 150 breaths per minute
Oxygen Flowrate	0 – 12 L/min, up to approx. 60% FiO <sub>2</sub>
Trends	CO <sub>2</sub> and Respiratory Rate, up to 8 hours selectable
Battery Life	Up to 16 hours, wireless charging
Weight	Monitor: 60 g, Sensor: 1.5 g
Alarms	No Breath, CO <sub>2</sub> Retention, High/Low EtCO <sub>2</sub> , High/Low RR, Rebreathing and technical alarms
Adapter Sets	Non-intubated and intubated, oxygen delivery and sleep apnea test
Patient Categories	Adults, Pediatrics and Infants

Gas Measurements Accuracy According to EN/ISO 80601-2-55:2018. The MARIE Capnograph is subject to regulatory clearance.