- **Simple, easy-to-use interface**
  for quick setup and one-touch programming
- **Audible and visual alarm**
  system for No Breath (Apnea), No Adapter, Check (blocked) Adapter, adjustable high and low EtCO₂ alarm and Low Battery status
- **Long battery life**
  up to 12 hours of normal use with two standard AAA lithium batteries

**EMMA worlds smallest Capnometer**
meets NAP4 and AAGBI guidelines on use of capnography

- **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)
- **Provides confirmation of more than just the efficacy of endotracheal tube placement**, it enables clinicians to assess effectiveness of CPR allowing recognition of return of spontaneous circulation (ROSC); and can be used for COPD patient monitoring
- **Compact, lightweight design fits in the palm of your hand** for unmatched mobility and convenience
- **Rapid application, Mainstream NDIR technology** used for short-term EtCO₂ monitoring for adult, paediatric and infant patients in pre-hospital, emergency medicine, hospitals, intensive care and post anaesthesia care applications
- **Rugged, water-resistant design for reliable operation in challenging environments**
- **Easy to maintain, no routine calibration required**
**Technical Specification**

**Measurement principle:** Non-dispersive Infra-red absorption (NDIR)

**Range & Accuracy CO2:**
- Range: 0 to 9.9 kPa (0 to 99 mmHg)
- Accuracy: +/- 0.3 kPa (+/- 2 mmHg)

**Range & Accuracy RR:**
- Range: 0 to 150 breaths/min
- Accuracy: +/- 1 BPM

**Operating conditions:**
- Humidity: 10 to 95% non-condensing
- Operating range: -5 to 40 deg C
- Storage: -30 to 70 deg C

**Displays:**
- EtCO2: 14 segment Bar graph & Numerical LED Display
- RR numerical LED display
- Battery & Alarm Status

**Batteries/life:** 2 x AAA Lithium batteries; up to 12 hours of normal use dependant on battery life and ambient conditions

**Size/weight:** 52 x 39 x 39 mm; 60 grams with batteries

**Calibration:** NO routine calibration required

**Protection class:** Water and dust ingress rating IPX33

**Applicable Standards:**
- DIN EN 60601-1:1990; EN 21647:2004; CE marked; Transport prEN 1789:2004; RAF Airworthiness certified

**Accessories:**
- Disposable (one patient use) Airway Adapters (Adult/Paediatric & Infant), Pouch, Lanyard

**Calibration Services:** Optional purchased services: ‘back to MEDACX’ UKAS span gas calibration or Span gas test kits.

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**Features**

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

**Bar Graph**
- High 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

**End-tidal Carbon Dioxide**
- Quantitative EtCO2 is updated every breath (also available in mmHg)

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

**Airway Adapter**
- Available in adult/paediatric & infant sizes

**EMMA Kit** (as supplied):
- device, pouch, lanyard, batteries x2
- EMMA (kPa) PN: M-605100-C

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**Accessories: EMMA Airway Adapter**

- Adult/Paediatric
  - Box of 25
  - PN:M-100620
- Infant
  - Box of 10
  - PN:M-100660