

End-Tidal CO₂ Pocket Monitor



quick etCO₂ is a low cost, compact End-Tidal Carbon Dioxide (ETCO₂) Monitor that verifies correct placement in endotracheal intubation.

For use by health professionals in hospital Accident & Emergency departments, ICU's and anaesthetic rooms.

quick etCO₂ can also be used to confirm disordered overbreathing due to panic attacks and hyperventilation¹.

Measuring end tidal CO₂ is a quick and safe way to check for correct intubation². **quick etCO₂** takes just a few seconds, after power on, to confirm correct placement.

Features

- Compact, lightweight
- Low cost
- Battery powered - 9V alkaline
- Simple to use and interpret, self-calibrating
- LCD displays end-tidal CO₂ in mmHg or kPa/%Vol
- Audio tone confirms ETCO₂ reading
- Fast response
- Built in diagnostics

Operation

quick etCO₂ is a portable device for measuring CO₂ in exhaled respiratory gases utilising infrared absorption as the measurement technique.

Intubation

Switched on and connected to the mainstream respiratory flow, the instrument confirms correct intubation within seconds. After 4 breaths the **quick etCO₂** has performed a self-calibration and displays end-tidal CO₂ in mmHg or kPa/%Vol.

The initial reading of end-tidal CO₂ is accompanied by a tone that acts as an audible confirmation of correct intubation. If the display does not show an 'E' or CO₂ value, the endotracheal tube is not in the trachea.

Hyperventilation

Panic attacks are often caused by or accompanied by hyperventilation. Four breaths directly into the instrument's mouthpiece gives an exact breath CO₂ reading. This reading can be used by the patient to create awareness and help manage the problem.

The patient can easily use the instrument at home to help control and adapt their breathing.

¹ Hyperventilation syndromes in medicine and psychiatry: a review.
L. C. Lunn.
Journal of the Royal Society of Medicine. Volume 80, 1987

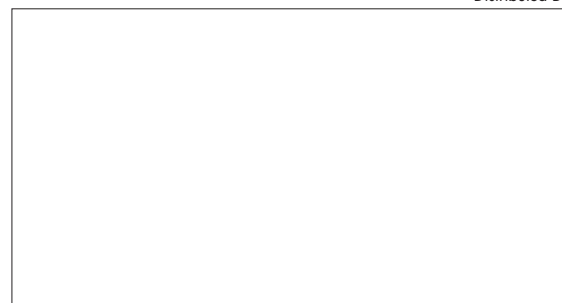
² Capnography for Detection of Accidental Oesophageal Intubation.
K. Linko, M. Paloheimo, T. Tammisto.
Acta Anaesthesiol Scand. 1983; 27: 199-202

Measurement Method:	Infrared (IR) photometric absorption analysis in mainstream gas
Measurement Range:	0 - 99 mmHg or 0 - 13.2 kPa
Display Type:	LCD
Accuracy:	+/- 2 mmHg
Stability:	+/- 2 mmHg
Measuring Breath Rate:	2 - 40 bpm
Power:	9V (6LR61 or equivalent) alkaline battery
Battery Life:	6 hours continuous operation
Low Battery Indication:	Indicates flashing 'bA' on display
Operating Temperature:	5 to 40°C
Storage Temperature:	-10 to 70°C
Operating Humidity:	10 to 95% (non-condensing)
Storage Humidity:	10 to 95% (non-condensing)
Dimensions:	120 x 65 x 20 mm
Weight:	150g
Classification:	Medical device Class IIA, Type BF, CE 0434



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