

SMILE TRAIN-LIFEBOX CAPNOGRAPH

Tackling a major gap in anesthesia safety

with an **affordable, high quality capnograph**, for **low-resource settings**

Capnography is an essential monitor to ensure a patient is adequately ventilated during anesthesia, preventing catastrophic patient harm



THE PROBLEM

The Global Capnography Gap

A major health inequity that puts patients at-risk of harm

30+ years

since capnography has been mandated in the United States

Often **100% gap**

between the need for capnography and its availability in low-resource settings

Tackles

a leading cause of anesthesia related complications and deaths in low-resources

Capnography gap

affects children the most as they are at a greater risk of airway related complications



Anesthesia Providers report:

- Visualization of data
- Provides an early warning system
- Rapid detection of complications
- Quicker decision making
- Boosts confidence

THE SOLUTION

The Smile Train-Lifebox Capnograph: an affordable, high quality device suited for use in low-resource settings

Features:

- **High quality:** CE certified with rigorous independent lab and field testing
- **Reliable:** long battery life with six hours backup in case of power outages
- **Rechargeable:** built-in battery
- **Usability:** large visual multi-colored display, with touch screen and simple navigation
- **Vital information:** oxygen saturation, end-tidal carbon dioxide, pulse rate, and respiratory rate
- **Portable:** lightweight and easy to carry
- **Affordable:** US\$1,000 plus shipping
- **Dual monitoring:** oxygen saturation and end-tidal carbon dioxide
- **Durable:** robust construction
- Suited for use in children

“Capnography allows visualization of my work, through numbers and waves. This helps me to immediately identify a problem when it happens and quickly take measures.”

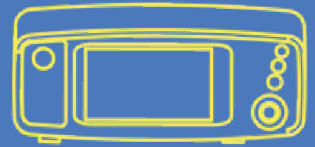
**Dr. Renda Suleman, Anesthesiologist,
Yekatit 12 Medical College Hospital, Ethiopia**

“This boosts my confidence in providing safe and quality anesthesia care. I can easily and quickly detect any problem and take immediate corrective action.”

**Dr. Anteneh Yifru, Assistant Professor of
Anesthesiology, Critical Care and Pain Medicine,
Yekatit 12 Hospital Medical College, Ethiopia**

SMILE TRAIN-LIFEBOX CAPNOGRAPH

SPECIFICATIONS



GENERAL FEATURES

- High-performance and CE certified SpO₂ and EtCO₂ device
- Built-in rechargeable lithium battery - 11.1 V / 5200mAh
- Small and easy to use, easy to carry
- Product Class: IIb (in accordance with MDD93 /42/ EEC)
- Touch screen
- Dimensions: 305 x 140 x 95mm (LxWxH)
- Weight: < 3 kg (without accessories)
- Warranty: 2 years for the device and 1 year for the SpO₂ probes

CAPNOGRAPHY PERFORMANCE

- Infrared radiation absorption technology
- CO₂ measurement range - 0 ~ 152 mmHg
- Accuracy
 - 0 ~ 90 mmHg: ± (1.5 mmHg + 2% of reading)
 - 91 ~ 152 mmHg: ± (1.5 mmHg + 6% of reading)
- Alarm
 - EtCO₂: 0 ~ 150mmHg
 - FiCO₂: 0 ~ 150mmHg
 - awRR: 0 ~ 150rpm



OXIMETRY PERFORMANCE

- SpO₂ Measurement - 0 ~100%
 - Accuracy Range 70 ~ 100 % - ±2%
 - Resolution: 1%
- Pulse Rate Measurement - 25 ~ 250 bpm
 - Accuracy Range: ±3%
 - Resolution: 1 bpm
- Performance Index Measurement - 0 ~ 20%, Resolution: 0.001%
- PIV Measurement - 0 ~ 100%, Resolution: 1%

ELECTRICAL POWER SUPPLY

- AC: 100 ~ 240V ± 10% (built-in adapter)
- Input power: 60VA
- Frequency: 50Hz/60Hz ± 3Hz
- Built-in rechargeable lithium battery - 11.1 V / 5200mAh
 - Run time - 6 hours
 - Charge time - 6 hours

PRICING

- USD 1,000 per set
- Shipping excluded
- Included in the box
 - 1 device with built-in rechargeable battery
 - AC/DC charger
 - 10 CO₂ sampling lines
 - 10 elbow connectors
 - 5 water traps
 - 1 SpO₂ connector
 - 1 reusable adult SpO₂ probe
 - 1 reusable pediatric SpO₂ probe
 - Welcome letter, Quick start guide