ES-NT1D

Handheld Capnograph / Pulse Oximetry Monitor

esse3

Cod. ES-NT1D

- **Durable, Compact and Lightweight**
- **Capnograph with Trends**
- **SpO2 with Waveforms**
- **Data Storage for up to 100 patients 72-Hour for Each Patient**
- **Wireless Data Transmission**
- **Suitable for Adult, Pediatric and Neonate**

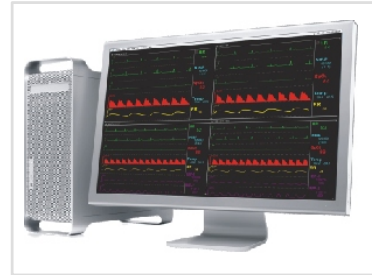## Portable
Compact & Ergonomic Design

21st Century CO2 Technology
CO_2 sensor and
LoFlo Sidestream System

All-in-One Display
Data + Waveform + Trend

Data Management
PC Software with Wireless Data Transmission
Data Analysis and Report Printing

A Variety of Applications
Emergency Rescue, Intensive Care
During Surgery, Resuscitation and
Patient Transportation

For All Patient Types
Adult, Pedicatric and Neonate

Usage Environment

- Emergency Medical Services (EMS) in the field or during transport
- Outpatient or Ambulatory Surgery centres; special procedures area
  (e.g. cardiac catheterization lab, endoscopy)
- General medical/surgical hospital ward
- ICU, Emergency Department
- Hospital-based or free-standing sleep laboratory

Clinical Applications

- Airway management for all intubated patients
- Procedural or conscious sedation-adequacy of vetilation
- Patient safety during patient-controlled analgesia(PCA) or continuous narcotic administration
- Cardiopulmonary resuscitation-- confirm endotracheal tube placement, determine
  effectiveness of chest compressions (CPR) and detect Return of Spontaneous Circulation (ROSC)
- Sleep Studies

Why Capnography is A Valuable Tool

- For EMS Transport:
  Capnography is a valuable tool during emergency transport of both intubated and non-intubated
  patients for proper assessment of the patient's ventilatory status.
- For Conscious Sedation:
  When performing procedural sedation, ensuring patient safety and adequate ventilation is essential
- For Cardiopulmonary Resuscitation:
  Capnography is a valuable tool during cardiopulmonary resuscitation (CPR) of intubated patients
- For Pain Management:
  The use of capnography is becoming more widespread for patients receiving opiates for acute pain
management
- For Sleep Laboratories:
  When conducting sleep studies, it is important to accurately and consistently measure exhaled CO_2
  levels in order to reliably assess the quality of ventilation during sleep

Available SpO2 and CO2 sensors

Adult / Pediatric Finger

Adult / Pediatric Soft- Finger

Single Patient Disposable

Mainstream CO2

Sidestream CO2

Disposable Cannulas

SpO₂:

Measurement Range: 0 ~ 100%
Accuracy: +2% during 70%~100%
   0%~69% unspecified

Pulse Rate:

Measurement Range: 30 bpm ~ 250 bpm
Accuracy：   1 bpm or ±2%
   whichever is greater

EtCO₂:

Measurement Range：   0~150mmHg
Resolution：   0.1mmHg   (0~69)mmHg
   0.25mmHg   (70~150)mmHg
Accuracy：   ±2MmHg   (0~40)mmHg
   ±5%   (41~70)mmHg
   ±8%   (71~100)mmHg
   ±10%   (101~150)mmHg

Respiration Rate:

Measurement Range：   0~150bmp
Accuracy：   ±1bmp

Alarm:

Three levels of visual, audio alarms

Data Transmission:

2.4GHz wireless
USB to PC
≤10m without obstruction

Power Requirements:

DC: 9V 700mA
4x2400mA rechargeable batteries
Battery Capacity: ≥ 12 hours (SpO₂ only)
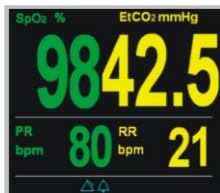Battery Capacity: ≥ 5 hours (SpO2 + CO2)

Environment:

Operating Temperature: 0°C~50°C
   Humidity: ≤95%
   Altitude: -390m~5,000m
Transport/Storage Temperature: -20°C~70°C
   Humidity: ≤95%

Physical Characteristics:

Dimensions: 73mm (W) x127mm (H) x 23mm (D)
Maximum Weight: 500g

Display Options

Large Font/Digits	Dural Waveforms	Historical Trend	Trend Chart

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Configurations

ES-NT1D-B   Handheld Mainstream CO2 Monitor
ES-NT1D-C   Handheld Sidestream CO2 Monitor
ES-NT1D-D   Handheld SpO2 & Mainstream CO2 Monitor
ES-NT1D-E   Handheld SpO2 & Sidestream CO2 Monitor

CE

ISO 9001
ISO 13485