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
CO2 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, Pediatric 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 ventilation
- 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 CO2 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
Technical Specifications

**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](image)
![ADural Waveforms](image)
![Historical Trend](image)
![Trend Chart](image)

**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