



TRANS HEALTH CARE  
INDIA PRIVATE LIMITED

# T3D

Multi - Parameter Patient Monitor



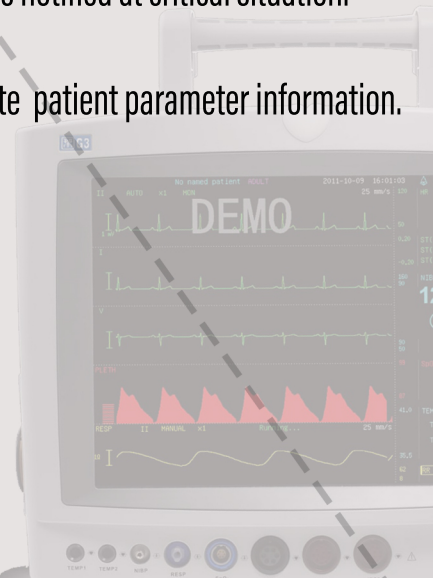


## Overview

**T3D Multipara Monitor has intuitive design & salient features which enhances patient safety.**

**The monitor measures the vital Parameters like ECG,HR/PR, Spo2, NIBP, Temp (2 Channel), IBP etc.**

- ◆ T3D Monitor has 12.1" Color TFT LCD display with 8 waveforms display on a single screen.
- ◆ User friendly Design & easy access interface with menu, dialogue boxes, and rotary mouse options.
- ◆ Advanced Patient Alarm system with safety limits & alert light feature to ensure caregiver is notified at critical situation.
- ◆ Advanced Digital Technology, measure Spo2 accurately in low perfusion situations.
- ◆ Stores more than 360 hours of trend history data to help the clinicians to study the complete patient parameter information.
- ◆ The monitor is solely designed for usage on Adult, Pediatric and Neonatal patients,



## Key Salient Features

- ◆ T3L is built with arrhythmia analysis algorithm to optimise the essential detection of lethal arrhythmias and measure the electrical activities of Patient heart at different cardiac events.
- ◆ With Etco2 Monitoring feature, the monitor supports measurement of adequate respiratory vitals on all clinical conditions.
- ◆ User-friendly and man-machine dialogue interface with pop-up menus, dialogue boxes, rotary mouse and etc.
- ◆ Low-power consumption design with standby mode, rechargeable high-energy built-in battery.
- ◆ Advanced digital technology, accurately measure SpO2 in low perfusion situation.
- ◆ Huge history trend data storage, up to 360 hours.
- ◆ 5 kinds of fixed display format include OxyCRG diagram, 7-lead ECG waveform simultaneously, big-font mode and etc; 5 kinds of user-defined display format; display multi-channel real time waveform & trend diagram same time.
- ◆ 3-level audible & visual alarm and apnea alarm available, alarm limits are adjustable.
- ◆ Applications in bedside and delivery monitoring; Widely used in patient room, emergency room, operation room, PACU, ICU, CCU, etc.
- ◆ WAN Wired & Wireless communication function to network with central monitoring system and make long-distance monitoring, diagnosis, maintenance and software upgrade possible.
- ◆ Capable of printing the parameter values, waveform & trend using the inbuilt Thermal Printer.
- ◆ Complete carting and mounting solution.

## Configuration

Standard configuration: ECG, NIBP, SpO2, HR/PR, 2-RESP, 2-TEMP ST analysis, Anhythmia analysis, rechargeable battery.

Optional configuration: Built-in thermal printer, Nellcor / Masimo SpO2, 2-1BP, main-stream/side-stream ETco2, CO, AG, wireless network, wall mount, moving cart .



# Technical Specifications

## ECG

Input: 3 wires/5 wires ECG cable

Lead section: I, II, III, aVR, aVL, aVF, V

Gain selection: x1/4, 1/2, x1, x2, x4 and automatic

Sweep speed: 6.25, 12.5, 25, 50mm/s

Heart rate range: 15-380bpm Calibration:  $\pm 1$ mv

## SpO2

Display type: Waveform, data Measurement range: 0~100%

Accuracy:  $\pm 2\%$

Pulse rate range: 30-250bpm

Accuracy:  $\pm 1$ bpm

optional: MASIMO /NELLCOR configuration

## NIBP

Mechanism : Oscillometric method

Measurement type: adult, pediatric, neonate

Measurement parameter: Systolic, Diastolic, Mean

Measurement method: manual, automatic, continuous measurement

Unit: mmHg/kPa selectable Accuracy:  $\pm 2$  or 3mmHg.

optional configuration : A&D , Suntech NIBP

## Respiration

Thoracic impedance & nasal tube double method selectable

Measurement range: 0~120bpm

Accuracy:  $\pm 1$ bpm

Resolution: 1bpm

## Temperature

Number of channel: 2 channels

Resolution: 0.1 C

Display: T1, T2

ETCO2 (main/side stream type) (Option) - Plug & Play

Measurement range: 0-150 mmHg (0-19.7%, 0-20kPa)

Accuracy:  $\pm 2$ mmHg

Respiration rate: 0-150BrPM

Accuracy:  $\pm 1$ BrPM

2-IBP (Invasive blood pressure) (Option)

Measurement range: -6-40kPa (-50-300mmHg)

Channel: 2 channels

Transducer sensitivity: 5MV/V/mmHg

Unit display: kPa or mmHg selectable

Cardiac Output (Option)

Measuring Method: thermodilution

Measurement range: CO: 0.1-20.0L/min TB: 23 C-43

Resolution: CO: 0.1L/min TB: 0.1C TI: 0.1C

Accuracy: CO: 10.2L/min or  $\pm 5\%$  TB:  $\pm 0.2$ C TI:  $\pm 0.2$ C

Parameter output: Cardiac output hemodynamics calculation

Anesthesia gas analysis (Option)

Method: Infrared Absorption

Gas Sorts: CO2, N2O, Des, Iso, Enf, Sev, Hal, O2

Measurement range: CO2: 0-30% N2O: 0-105% O2: 0-105%

Enf, Iso, Hal: 0-30% Sev: 0-30% Des: 0-30%

Data output: Fi and ET values

Agent mixture detection

Power requirement: 100-240VAC, 50/60Hz

Safety Standard

IEC 60601-1 , ISO 13485

**Manufactured By:**



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