

TRUSCOPE® III

12.1" touch screen Multi-utility monitor

Features

- 12.1" touch screen high resolution color TFT LCD display
- Import & Export configuration option
- Full disclosure facility
- HRV and NIBP Analyze option
- Upto 7 lead ECG display
- Total 10 waveform display simultaneously
- ST & Arrhythmia analysis
- 168 hours tabular and graphic trends & data storage
- Drug dosage, Hemodynamic, Nephridium, Ventilation & Oxygenation calculation software
- OXYCRG software
- Standard configuration: ECG, HR, RESP, NIBP, Digital SpO₂, PR, Dual TEMP
- Central station connectivity: Wired
- Pacemaker detection facility
- Video Output (VGA)



Optional

- Dual IBP
- 12 Lead ECG
- EtCO₂ (Mainstream/ Sidestream/ Microstream)
- SpO₂ (Nellcor / Masimo)
- Multigas (CO₂, O₂, NO₂ & 5AA)
- Recorder
- Central station connectivity: Wi-Fi



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The Art of Diagnostics

Technical Data TRUSCOPE® III

General

Application: Adult, pediatric and neonate

Size & Weight

Dimension: 318mm (W) X 264mm (H) X 160mm (D)

Weight: 4.89 Kg(Inclusive of 1 Li-ion battery)

Power Supply

Power supply: AC 100-240 V 50 Hz / 60 Hz

12 V D.C input

Defibrillator & cautery protected

Safety Class: Category I

Display

Display: 12.1" touch screen high resolution color TFT LCD display

Resolution: 800x600 pixels or higher

Battery

Type: Rechargeable Lithium ion batteries

Battery back up: >240 minutes (2 batteries 480 minutes) (2nd battery optional)

Battery charging time: <6 hours (2 batteries, 12 hours)

Recorder (optional)

Method: Thermal dot array

Paper width: 50 mm

Paper speed: 12.5 / 25 / 50 mm/sec

Trace: Max 3 tracks

Alarm

Level: Low, medium & high

Indication: Auditory & visual

Setup: Default & custom

Silence: All alarms can be silenced

Environment

Operating temperature: 5°~40° C

Storage temperature: -20° to +55° C

Operating humidity: 15% to 85% (non condensing)

Storage humidity: 10% to 93% (non condensing)

Operating atmospheric pressure: 700 hPa to 1060 hPa

Storage atmospheric pressure: 500 hPa to 1060 hPa

Safety

IEC 60601-1 and IEC 60601-1-2

ECG

Leads: I, II, III, aVR, aVL, aVF, V

Gains: Auto, 0.25x, 0.5x, 1x, 2x, 4x

Input impedance: 5 M ohm

Common Mode Rejection ratio: 89dB (Diagnostic mode)

105dB (Monitor mode)

105dB (Surgical mode)

Bandwidth: 0.5-40 Hz (Monitoring mode)

0.05-150 Hz (Diagnostic mode)

1-25 Hz (Surgical mode)

Indication of detachment of electrodes (exclusive of RL)

Scanning speed: 12.5 mm/s, 25 mm/s, 50 mm/s

Heart Rate range: Adult: 10-300 bpm

Pediatric and Neonate: 10-350 bpm

Accuracy: ± 1 bpm or ± 1 % whichever is greater

Respiration

Method: Thoracic Impedance method

Measuring range: 0-150 rpm

Accuracy: ± 2 rpm

Gain: x0.25, x1, x2, x4

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

Apnea alarm delay: 10s, 15s, 20s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

NIBP

Method: Automatic Oscillometric

Operation modes: Single (manual), Cycle (automatic), STAT (continuous) for adult & pediatric

Single (manual), Cycle (automatic) for neonates

Measurement: Systolic pressure, Diastolic pressure, Mean arterial pressure(MAP)

Range: Adult: 10-270 mmHg

Pediatric: 10-235 mmHg

Neonate: 10-135 mmHg

Unit: mmHg / Kpa selectable

Auto measurement: 1,2,3,4,5,10,15,30,45,60,90,120,240,480 minute

1000 groups NIBP data review

SpO₂ (Digital)

Range: 0-100%

Accuracy: ± 2 % (70-100%), (0-69%) unspecified

Pulse rate range: 20 – 250 bpm

Pulse rate accuracy: ± 1 or 1%, whichever is greater

SpO₂ (Nellcor)

Range: 0-100%

Accuracy: ± 2 % (70-100%) adult/pediatric,
 ± 3 % (70-100%) neonate, (0-69%) unspecified

Pulse rate range: 20 – 300 bpm

Pulse rate accuracy: 20-250 bpm: ± 3 %,

251-300 bpm: unspecified

SpO₂ (Masimo)

Range: 0-100%

Accuracy: ± 2 % (70-100%)adult/pediatric non-motion conditions,
 ± 3 % (70-100%)neonate non motion & motion conditions,
 ± 3 % (70-100%)motion conditions (0-69%) unspecified

Pulse rate range: 25 – 240 bpm

Pulse rate accuracy: ± 3 bpm (non-motion conditions)

± 5 bpm (motion conditions)

Temperature

Range: 0°C-50°C

Unit: Centigrade (°C), Fahrenheit (°F)

Resolution: 0.1°C

Accuracy: ± 0.1 °C

Alarm range: 0°C-50°C

IBP (Option)

Channel: 2 channels

Range: -50mmHg to +300 mmHg

Resolution: 1mmHg

Accuracy: ± 4 mmHg or 4 % of the reading whichever is greater

Unit: mmHg, Kpa

Transducer sensitivity: 5 μ V/V/ mmHg, ± 2 %

Names of pressures: ART / PA / CVP / LAP / RAP / ICP

Optional transducer: BD, UTAH & EDWARD

EtCO₂ (Sidestream) (Option)

Method: Sidestream

Range: 0.0-99.6 mmHg

Resolution: 1 mmHg

Accuracy: <5.0 %, ± 0.3 % (± 2.0 mmHg)

5.0 %, ≤ 10 % of the reading

Unit: %, mmHg, Kpa

EtCO₂ (Microstream) (Option)

Method: Microstream/ Mainstream

Range: 0-150 mmHg

Resolution: 1mmHg

Accuracy: 0.0-40.0 mmHg, ± 2 % of the reading

41-71 mmHg, ± 5 %, of the reading

71-100 mmHg, ± 8 % of the reading

101-150mmHg, ± 10 % of the reading

Unit: %, mmHg, Kpa

EtCO₂ (Mainstream) (Option)

EtCO₂ (Mainstream)Module

Measurement range: 0-150 mmHg

Resolution: 1mmHg

Accuracy: $\pm (0.3\%_{AES} + 4\%_{REL})$

Unit: %, mmHg, kPa

Multigas - CO₂, O₂, N₂O, Anesthetic Agent - Sidestream (Option)

Unit: %, mmHg

Respiration rate range: 0-150 rpm

Range: 0-15%

Certification

Conformity: CE 0123 according to Annexe II 93/42/EEC (medical devices)

Standard accessories

Power cord - 1 no.

ECG cable (5 lead) - 1 no.

ECG electrodes - Pack of 10

SpO₂ probe with extensioncable - 1 no.

NIBP - Adult, paediatric & Neonatal cuff

NIBP extension tube

TEMP probe (body surface) - 1 no.

Grounding wire - 1 no.

User manual - 1 no.

Warranty card - 1 no.

Packing list - 1 no.

Accessories shown are not part of standard configuration All registered trademarks acknowledged

Technical data are subject to change without notice

SCHILLER

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