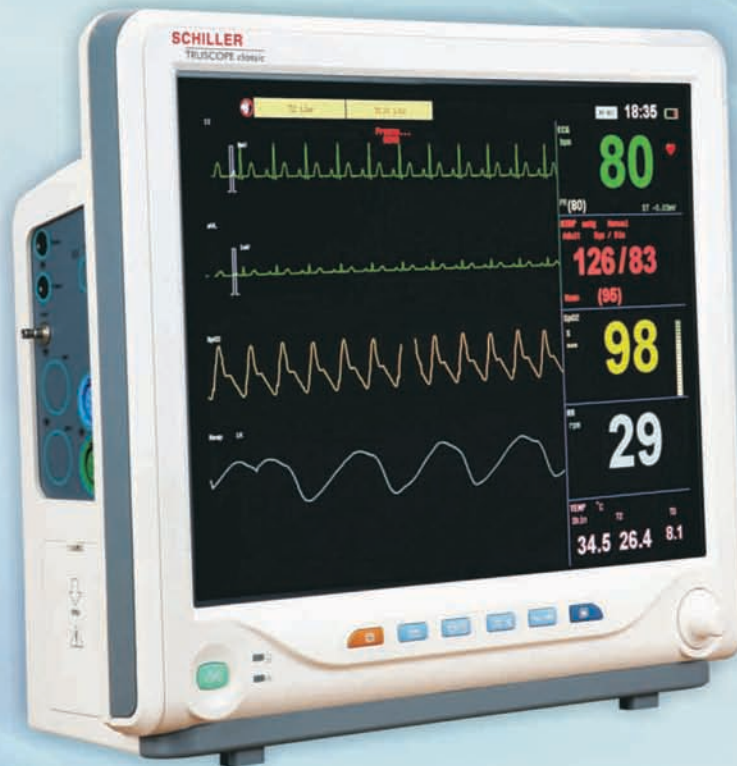


TRUSCOPE[®] classic

15" Multi-para Patient Monitor



Features

- 15" high resolution color TFT LCD display
- 12 lead ECG waveform display & total 11 waveform display
- ST and Arrhythmia analysis
- Digital SpO₂ works even in low perfusion cases
- Drug dose calculation & OXYCRG software
- 96 hours graphical and tabular trend
- Non-volatile memory
- Central Station connectivity : Wired

Optional

- 12 lead ECG
- Dual IBP
- Nellcor Masimo SpO₂
- ETCO₂ (Mainstream/ Sidestream / Microstream)
- Multigas monitoring
- Cardiac output (ICG)
- VGA connectivity for external monitor
- Wireless connectivity to CNS



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The Art of Diagnostics

Technical Specification of TRUSCOPE® classic

General

Size and Weight

- Size : 335 mm (H) X 366 mm (W) X 172 mm (D)
- Weight : 5.5 kg

Display

- 15" Color TFT LCD
- Resolution: 1024 X 768 pixels or higher

Power supply

- Power voltage: AC 100-240V 50/60Hz
- Power input: \leq 100VA
- Fuse : T1.6AL/250V, ϕ 5 X 20 (mm)
- Safety class : Category I

Battery

- Type : Rechargeable Lithium -ion battery
- Charge time : \leq 10 hours
- Operating time under the normal use and full charge : \geq 120 minutes

Thermal recorder (Option)

- Method : Thermal dot array
- Paper width : 50 mm (1.97 in)
- Paper speed : 12.5 / 25 / 50 (mm/sec)
- Traces maximum : 3

System output

- Ethernet network: standard RJ45 socket
- RF Wireless LAN : 433 MHz, 10 mW
- Analog output (ECG or IBP) : Option
- Defibrillation output : Option
- SD card : Option
- VGA output

Alarm

- Three level : Low, medium and high
- Indication : Colour coded audible and visual
- Setup : Default and custom
- Silence : All alarms can be silenced
- Volume : 45-85 dB measured at 1 meter

Trend

- Store and review 96 hours : Tabular & graphical trend
- Parameter option : HR, SpO₂, NIBP, PR, Resp, CO₂, Temp1, Temp2, AA, N₂O, O₂, IBP1, IBP2, ST
- Cycle intervals of trend storage : 1min, 2min, 3min, 4min, 5min, 10min, 15min, 20min, 25min, 30min

Store and Reviewing

- ECG : 30 minutes of one important lead's ECG waveform
- Alarm : 1800 groups alarm events reviewing
- NIBP : 1000 groups NIBP measurement
- Arrhythmia : 128 groups data (8 seconds ECG waveform)

Environment

- Working temperature : 0-+40°C
- Transportation and storage temperature : -20-+55°C
- Relative humidity : Working \leq 85%
- Transportation and storage : \leq 93%
- Atmospheric pressure : Working 860 - 1060 hPa
- Transportation and storage : 500-1060 hPa

ECG

- Mode: 5 - lead (standard) or 3 - lead or 12 lead (Option)
- Lead selection : I, II, III, aVR, aVL, aVF, V1-V6 (Option)
- Gain : AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage : 4000VAC 50 / 60Hz
- Sweep speed : 12.5 mm/s, 25 mm/s, 50 mm/s
- HR range : 10-300 bpm
- HR accuracy : \pm 1% or \pm 1bpm, whichever is greater

ST segment

- Measurement range : -2.0 mV-2.0 mV
- Resolution : 0.01mV

RESP

- Method : Impedance variation between RA-LL (R-F)
- Measurement range : 0-150 rpm
- Accuracy : \pm 2 rpm
- Gain : x1, x2, x4
- Sweep speed : 6.25 mm/s, 12.5 mm/s, 25 mm/s

TEMP

- Channel: 1
- Measurement range : 0-50°C
- Unit : Celsius (°C), Fahrenheit (°F)
- Accuracy : \pm 0.1°C (exclusive of probe)
- Connecting cable : Compatible with YSI-400

Digital SpO₂

- Measurement range : 0-100%
- Accuracy : 70-100%, \pm 2%, 0-69%, unspecified
- PR range : 25-250 bpm
- PR accuracy : \pm 1% or \pm 1bpm, whichever is greater

Nellcor / Masimo SpO₂

- Measurement range : 0 - 100%
- Resolution: 1%
- Accuracy: 70% to 100% : + 2% (adult)
- 70% to 100% : + 3% (neonate)
- 70% to 100% : + 2% (low perfusion)
- 0% to 69%, unspecified

Pulse rate

- Measurement range: 25 - 250 bpm
- Resolution: 1 bpm
- Accuracy: + 1% of + 1bpm

NIBP

- Technique : Automatic oscillometry
- Range : Adult : 10-270 mmHg
- Child : 10-235 mmHg
- Neonate : 10-135 mmHg
- Accuracy : Static \pm 2% or \pm 3 mmHg, whichever is greater
- Unit : mmHg, kPa
- Pulse rate range : 40-240 bpm
- Intervals for AUTO measurement : 1,2,3,4,5,10,15,20,30,45,60,90 minutes
- 2,4,8 hours

IBP (Option)

- Channel : 2
- Measurement range : -50-+300 mmHg
- Unit : mmHg, kPa
- Accuracy : \pm 2 mmHg or 2%, whichever is greater

ETCO₂ - (Option, Microstream, Respirationics)

- Range : 0-19.7% (0-150 mmHg)
- Unit : %, mmHg, kPa
- Respiration rate range : 2-150 rpm

ETCO₂ - (Option, Mainstream, IRMA)

- Range : 0.0-13.1% (0-99.6 mmHg)
- Unit : %, mmHg, kPa
- Respiration rate range : 0-150 rpm

ETCO₂ - (Option, Sidestream, ISA)

- Range : 0.0-13.1% (0-99.6 mmHg)
- Unit : %, mmHg, kPa
- Respiration rate range : 3-150 rpm

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

- Unit : %, mmHg
- Respiration rate range : 0-150 rpm
- Range : 0-13.1% (0-99.6 mmHg)

Non - Invasive Cardiac Output (ICG) (Option)

- Method: Impedance Cardiography
- Measurement range CO : 1.4 - 15 L / min
- CI : 1.4 - 15 L / min/m²
- SV : 5 - 250 mL
- SI : 5 - 125 mL / m²
- TFC : 15 - 143 / k Ω
- HR : 40 - 25 bpm

- Accuracy : HR : \pm 2 bpm
- SV : unspecified
- CO : unspecified
- Alarm range : CI : 0 - 15 L / min/m² adjustable
- TFC : 10 - 150 / k Ω adjustable

Standard configuration

- ECG, HR, RESP NIBP, SpO₂, 1-TEMP, Lithium battery, ST analysis, AR analysis, Pacemaker detection

Option

- 12-lead ECG, 2-IBP, Recorder, ETCO₂ (sidestream), Anesthetic Gas, ICG, SD memory card, Nellcor/Masimo SpO₂

Certification



Standard accessories

- Power cord - 1 no.
- ECG cable (5 lead) - 1 no.
- ECG electrodes - Pack of 10
- SpO₂ probe with extension cable - 1 no.
- TEMP probe (body surface) - 1 no.
- NIBP cuff with extension cable (adult, pediatric & neonate) - 1 each
- Grounding wire - 1 no.
- Packing list - 1 no.
- User manual - 1 no.

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