

TRUSCOPE® III

12.1" touch screen Multi-utility monitor

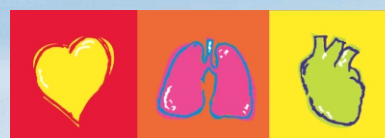


Features:

- 12.1" touch screen high resolution color TFT LCD display
- 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
- ETCO₂ (Sidestream & Microstream)
- SpO₂ (Nellcor / Masimo)
- Multigas (CO₂, O₂, N₂O & 5AA)
- Temp probe
- Recorder
- Central station connectivity: Wi-Fi



SCHILLER
The Art of Diagnostics

General

Application: Adult, pediatric and neonate

Size & Weight

Dimension: 34cm (L) X 28cm (H) X 14.8cm (W)
Weight: 4.84 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 : 700hPa 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 :6.25mm/s, 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: ±4mmHg or 4 % of the reading whichever is greater

Unit: mmHg, Kpa

Transducer sensitivity: 5 VV/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

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

For enquiries contact : sales@schillerindia.com

Website : www.schillerindia.com

Toll-Free No. : 1800 2098998

SCHILLER

The Art of Diagnostics

Swiss H.Q.: Schiller AG, Altgasse 68, P. O. Box 1052, CH -6341 Baar, Switzerland,
Indian Corporate Office : Schiller Healthcare India Pvt. Ltd., Advance House,
Makwana Road, Off Andheri Kurla Road, Marol Naka Metro Station, Andheri (East), Mumbai - 400 059.
Tel. : + 91 - 22 - 61523333 / 29209141 Fax : + 91 - 22 - 29209142
E - mail : sales@schillerindia.com, support@schillerindia.com
Factory : No. 17, Balaji Nagar, Puducherry 605010

Authorised Dealer

Regional / Branch Offices: Ahmedabad: 079-40307190/09327031678 Email: sales.west@schillerindia.com
Bengaluru:080-26564045/09379036923 Email: sales.south2@schillerindia.com Bhopal:0755-4274421/09303124973
Email: sales.central@schillerindia.com Bhubaneswar: 09874766668 Email: sales.east@schillerindia.com Chennai: 044-28232648,
09383620520 Email: sales.south1@schillerindia.com Coimbatore: 09383620520 Email: sales.south1@schillerindia.com
Guwahati: 09435140877 Email: sales.east@schillerindia.com Hubli: 09343551884/09379036923 Email: sales.south2@schillerindia.com
Hyderabad: 040-32952969/09379036923 Email: sales.south2@schillerindia.com Indore: 09303124973 Email: sales.central@schillerindia.com
Jabalpur: 09303124973 Email: sales.central@schillerindia.com Kathmandu: 00977-9841490096 Email: sales.nepal@schillerindia.com
Kochi: 0484-2203264/09383620520 Email: sales.south1@schillerindia.com Kolkata: 033-23593102/09874766668
Email: sales.east@schillerindia.com Lucknow: 0522-4076659/09312432205 Email: sales.north@schillerindia.com
Mumbai: 022-61523333/ 09323799863 Email: sales.west@schillerindia.com New Delhi: 011-32600582/09312432205
Email: sales.north@schillerindia.com Patna: 0612-2570745/ 09334833045 Email: sales.east@schillerindia.com Puducherry: 09383620520
Email: sales.south1@schillerindia.com Pune: 020-24210657/09371020520 Email: sales.west@schillerindia.com
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