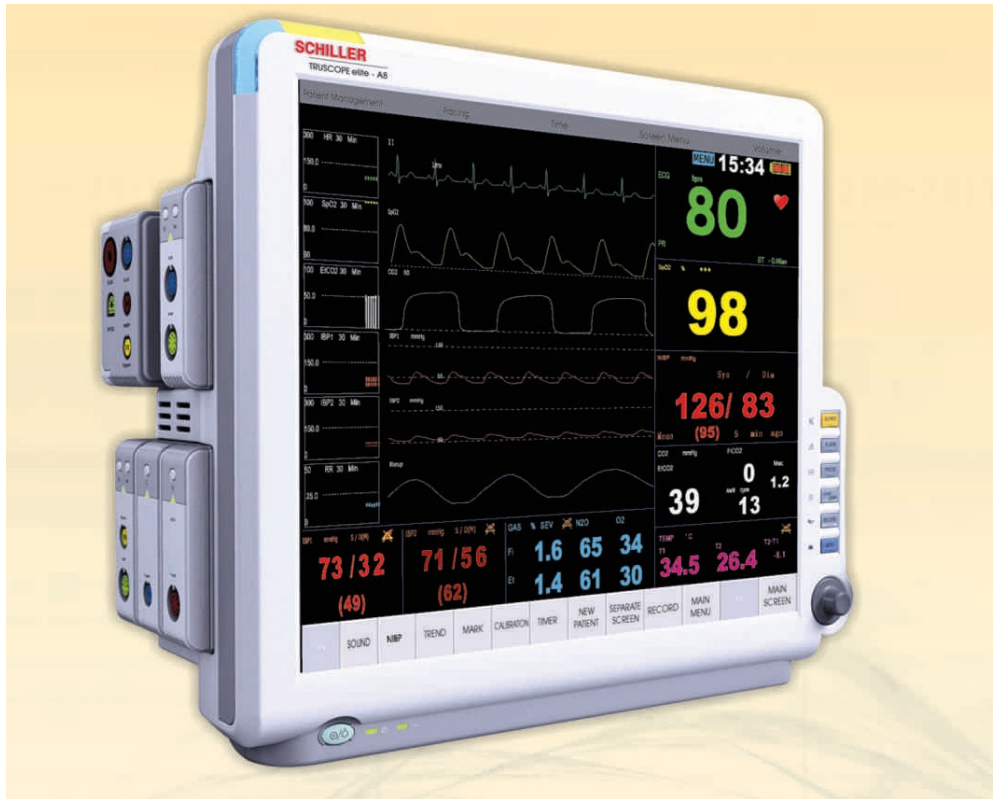


TRUSCOPE[®] elite - A8

Modulbaserad multiparameter monitor



Funktioner

- 17" pekskärn färg TFT display
- 3/5/7 avledad EKG display (option 12 avledad display)
- ST och Arytmianalyser
- Drognära beräkning och OXY CRG mjukvara
- Extern video (VGA) port
- Fast centralt monitoreringssystem
- Datalagring: SD kort (option)

Option moduluppgraderingar

- ETCO₂ (Mainstream/Sidestream/Microstream)
- ICG (Cardiac port)
- 12 avledat EKG
- Dubbelt IBP



TRUSCOPE® elite - A8 technical data

General

Main Unit :

- Size : 434 mm (L) X 389 mm (D) X 206 mm (H)
- Weight : □ 11 kg
- Standard module slot : 4
- Additional module rack slot : 1

Power supply :

- Power voltage : AC 100-240V 50/60 Hz
- Power input : □ 150 VA
- Input current : 0.8~1.7 A
- Safety class : Category I

Display :

- Main unit : 17" Color TFT with 13 touch buttons
- Resolution : 1280 X 1024 pixels

System output :

- Ethernet network : 2 Standard RJ45 socket
- Defibrillation output : 1 RJ11 socket (Option)
- Video output : 1 DVI port, 1 VGA port
- USB1.1 port : 6
- SD memory card : (Option)
- Analog output (ECG or IBP) : (Option)

Battery :

- Type : Rechargeable lithium-ion battery
- Charge time : 6 hours
- Operating time under the normal use and full charge : 60 min.

Recorder (Optional) :

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

Alarm :

- Level : Low, medium and high
- Indication : Auditory and visual

Trend and Reviewing :

- Displaying trend data : 96 hours
- NIBP measurement reviewing : 1000 groups
- ARR event : 100 events and relevant waveforms (8s, 16s or 32s)
- Alarm event : 100 log and relevant waveforms (8s, 16s or 32s)
- 12 lead ECG analysis : 40 groups

Environment :

- Ambient temperature : Working : 0~40° C
- Transportation and storage : -20°~55° C
- Relative humidity : Working : 15% ~ 85%
- Transportation and storage : 10%~93%

Safety :

- IEC60601-1 Approved, CE marking according to MDD93/42/EEC

ECG

Lead mode : 5-leads ECG input

Lead selection : I, II, III

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

I, II, III, aVR, aVL, aVF, V1~V6 (Option)

Gain : AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x

Input impedance : □ 5.0 M□

CMRR : MONITOR MODE □ 105 dB

OPERATION MODE □ 105 dB

DIAGNOSIS MODE □ 89 dB

Frequency response (-3dB) : MON 0.5~40 Hz

OPS 1~25 Hz

DIA 0.05~150 Hz

Leakage current : <10 uA

ECG signal range : ±10.0 mV

Baseline recovery : <5 sec after defibrillation (MON or OPS mode)

Indication of electrode separation : Every electrode (exclusive of RL)

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

Heart Rate

Range : Adult 10~300 bpm, Pediatric and Neonate 10~350 bpm

Refreshing time : □ 50 bpm Per 2 pulses

50~120 bpm Per 4 pulses

≥ 120 bpm Per 6 pulses

Resolution : 1 bpm

Accuracy : ±1% or ±1 bpm

ST segment

Measurement range : -2.0 mV~2.0 mV

Accuracy : -0.8 mV~0.8 mV, ±0.02 mV or ±10% whichever is greater

Resolution : 0.01 mV

Återförsäljare i Sverige:

CoreMed Scandinavia AB ,

Flöjelbergsgatan 8A , 431

37 Mölndal ,

Tel 031-52 11 40 ,

www.coremed.se

Respiration

Method : Impedance variation between RA-LL or RA-LA

Measuring impedance range : 0.2~3 Ohms

Measurement range : 0~150 rpm

Resolution : 1 rpm

Accuracy : ±2 rpm or 2% whichever is greater

Gain : x1, x2, x4

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

Apnea Alarm : 10 to 60 sec

NIBP

Measurement method : Oscillometric

Range of measurement :

Adult : SYS 30~270 mmHg

DIA 10~220 mmHg

MEAN 20~235 mmHg

Child : SYS 30~235 mmHg

DIA 10~220 mmHg

MEAN 20~225 mmHg

Neonate : SYS 30~135 mmHg

DIA 10~100 mmHg

MEAN 20~125 mmHg

Pressure accuracy : Static ±2% or ±3 mmHg whichever is greater

Unit : mmHg, kPa

Intervals for AUTO measurement time :

1, 2, 3, 4, 5, 10, 15, 30, 60, 90 minutes; 2, 4, 8 hours

Overpressure protection : Yes

Pulse rate range : 40~240 bpm

Digital SpO₂

Measurement range : 0~100%

Resolution : 1%

Accuracy : At 70~100%, ±2 digits (Adult)

At 70~100%, ±3 digits (Neonate)

At 70~100%, ±2 digits (Low Perfusion)

At 0~69% unspecified

Pulse Rate

Measurement range : 20~250 bpm Resolution : 1 bpm Accuracy : ±3

Temperature

Measurement range : 25.0~50.0° C

Accuracy : ±0.1° C or 0.1° F (exclusive of probe)

Resolution : 0.1° C

Unit : Celsius (°C), Fahrenheit (°F)

Connecting cable : Compatible with YSI-400 serial

IBP (Dual Channel) module

Measurement range : 20~250 bpm Resolution : 1 bpm Accuracy : ±3

Measurement range : -50~350 mmHg

Resolution : 0.1 mmHg

Unit : mmHg, kPa

Accuracy : ±1 mmHg or ±2%, whichever is greater (exclusive of transducer)

Sensitivity of transducer : 5 uV/V/mmHg, ±2%

Impedance of transducer : 300~3000 Ohms

Transducer sites : Arterial Pressure (ART)

Pulmonary Artery Pressure (PA)

Left Atrium Pressure (LAP)

Right Atrium Pressure (RAP)

Central Venous Pressure (CVP)

Intracranial Pressure (ICP)

P1/P2

Selection of measurement range :

ART : 0~350 mmHg

PA : -10~+120 mmHg

CVP/RAP/LAP/ICP : -10~+40 mmHg

P1/P2 : -50~+360 mmHg

Non-invasive Cardiac Output (ICG) module

Method : Impedance Cardiography

Range :

CO : 1.4 ~ 15 L / min

CI : 0 ~ 35 L / min / m²

SV : 5 ~ 250 mL

SI : 15~125 mL / m²

SVR : 1-3500 Dynes X Sec / cms

SVRI : 1-11000 Dynes X Sec X m² / cms

TFI : 7-65 Ū

TFC : 15~143 / KŪ

HR : 40~250 bpm

Multigas (Mainstream) (IRMA) module

Measurement method : Infrared spectrum

Measurement mode : Mainstream

Fi and Et values : CO₂, N₂O, O₂, agent (HAL, ISO, ENF, SEV, DES)

Resolution : 1 mmHg

Unit : %, mmHg

Measurement and alarm range of AG :

Gas Range Accuracy

CO₂ 0-100% ±(0.2% ABS + 2% REL)

O₂ 10-100% ±(2% ABS + 2% REL)

N₂O 0-100% ±(2% ABS + 8% REL)

HAL, ISO, ENF 0-5% ±(0.15% ABS + 10% REL)

SEV 0-8% ±(0.15% ABS + 10% REL)

DES 0-18% ±(0.15% ABS + 5% REL)

Respiration rate range : 0~150 rpm