CE 0123

TRISMED

Satisfaction Superiority Specialization

Smart ECG   **Patient monitor**
Resting ECG   **Ambulatory NIBP**
Stress ECG   **Fetal monitor**
Veterinary ECG   **Fetal Doppler**
Holter ECG   **Pulse oximeter**

aVR   V1   V4

V5

aVF   V6

Satisfaction Superiority Specialization

Cardiac Diagnosis Systems

www.trismed.com

CARDIPIA 200 ECG	CARDIPIA 400 ECG	CARDIPIA 400H ECG	CARDIPIA 800 ECG	CARDIPIA 800 ECG
SMART ECG	SMART ECG	Stress ECG	Patient Monitor	Ambulatory NIBP
ECG Simulator	Holter ECG	Pulse Oximeter	Fetal Monitor	Fetal Doppler

· Smart ECG
· Resting ECG
· Stress ECG
· Veterinary ECG
· Holter ECG
· Patient monitor
· Fetal monitor
· Ambulatory NIBP
· Fetal Doppler
· Pulse oximeter
· ECG Simulator

CE 0123 GMP

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With Company's philosophy of customer Satisfaction,
Superiority and Specialization, TRISMED CO., LTD.,
was founded in 2000 and has been active in the research and
development, manufacture and distribution on a world wide
scale of heart diagnostic equipments.
The wide-range products are targeted to offer reasonable price,
international standard performance and high quality with our strong
competenec and deep experience.
TRISMED believes in coming true the leader in the heart diagnosis
medical solutions such as various Electrocardiographs(ECG),
Patient Monitor, Ambulatory NIBP / SPO2, Fetal Monitor,
Fetal Doppler, and Pulse Oximeter in the world-wide.
Our quality system complies with the international quality
standard - EN ISO13485:2003 / AC : 2007
and Council Directive 93/42/EEC.

Selection Guide

- **Resting ECG**
  - CARDIPIA 200(3/1-ch ECG)
  - CARDIPIA 400(6/3-ch ECG)
  - CARDIPIA 800(12/6-ch ECG)
- **Stress ECG**
- **Fetal monitor**
- **Fetal Doppler**
- **PC Network**
- **ECG Simulator**

- **Smart CARDIPIA ECG**
  - CARDIPIA 400 (6/3/1-ch + 1-ch ECG)
  - CARDIPIA 800 (12/6/3/2/1-ch + 1-ch ECG)
- **Veterinary ECG**
  - CARDIPIA 200(3/1-ch ECG)
  - CARDIPIA 400(6/3-ch ECG)
- **CARDICODE Holter ECG**
- **VITAPIA Monitor**
  - PATIENT MONITOR
  - AMBULATORY NIBP / SPO2 MONITOR
- **Fingertip pulse oximeter**

Monitor Selection Guide		
Model	VITAPIA 7000K Patient monitor	VITAPIA 5500 Ambulatory NIBP Monitor
Type	7012K	5500A
Description	ECG, NIBP, SpO2, RESP, 2Temp, Networking capability 12, 1" LCD	NIBP, SpO2
Option	Central Networking System S/W 2-IBP, ETCO2, Printer, 12-lead ECG	Pulse rate
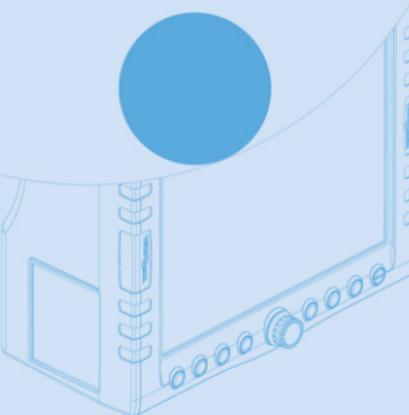
Product	Fetal Monitor	Fetal Doppler
Model	FM8000	DP8000
Type	Type 8000G	Type 8000B
Description	• FHR/TOCO, 8" LCD • Fetal movement mark	• Ultrasonic(2MHz) Doppler • FHR display

Product	Fingertip Pulse Oximeter	
Model	OXY 500	
Type	500FB	500FBW
	Wired	Wireless
Description	• 256K color OLED • PC Network • Inner Flash Memory (30hours) • USB&AC Charger	

Product	HOLTER ECG	
Model	CARDICODE 300	
Type	Type HT312	
Description	• T wave analysis and trend • ST segment analysis • QT analysis and trend	• R point editing • Variable HR analysis • Acquire pacing ECG directly

Electrocardiographs	CARDIPIA200		CARDIPIA400				CARDIPIA800			
	201N	202N	406N(H)	406P(H)	406R(H)	406RB(R)	812N(H)	812P(H)	812R(H)	812RS(H)
Recording Channel	1	3, 1	6,3,1				12, 6, 3			
Paper width(mm)	50	63	110mm, 63mm(H)				216mm, roll or Z–folder paper			
Parameters	‒	‒	○				○			
Interpretation	‒	‒	○				○			
Stress ECG Interface	‒	‒	‒			○	‒			○
B/W LCD	2.5"	‒	1‒ch				1‒ch			
	4"	‒	12/6-ch(H)				12/6-ch(H)			
	5.7"	‒	12/6-ch(H)				12/6-ch(H)			
Color LCD	3.5"	‒	1/12-ch(S)				1/12-ch(S)			
Touch Screen	7"	‒	S				S			
Copy		‒	○				○			
Snap ECG Record		‒	○				○			
Full disclosure report		‒	○				○			
Alphanumeric Key		‒	○				○			
PC Network		‒	○				○			
Memory(SD/USB)		‒	S				S			
LAN / USB / RS232		‒	S				S			
Laser Printer connection		‒	S				S			

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CARDIPIA400
6/3-ch ECG

3/1-ch ECG

CARDIPIA400 (Type H)
6/3-ch ECG

ECG / CARDIPIA200

• Cost-effective Performances
• Fully automatic one-touch 12-lead ECG recording
• Clear ECG trace with the thermal array printer
• Selectable ECG trace length
• Free AC power(100-240VAC)
• Built-in rechargeable battery operation
• Automatic power off
• Easy paper loading
• Lead-off, paper empty and battery indicator
• Low battery check
• Digital filter for clear ECG trace
• Heart rate display and record(Option)
• Weight : 2.5 kg with battery
• Dimension (W × H × D) : 312 mm × 252 mm × 85 mm

201N	• 1-ch ECG recording • 50 mm paper width
203N	• 3-ch or 1-ch ECG recording • 63 mm paper width

ECG / CARDIPIA400 / 400H

• Compact and light-weight • 6/3-ch recording
• 110mm roll paper • Simultaneous 12-lead ECG acquisition
• Copy of the last patient's ECG data
• Simple and easy alphanumeric key operation
• Free AC power (100-240VAC)
• Built-in rechargeable battery operation
• Real-time 1ch ECG display
• Low battery check • Grid record
• Snap ECG record(last 8sec) • Full disclosure report (1 min)
• Real-time 12/6-ch ECG display(Option) • PC networking (Option)
• Real-time heart rate display (Option)
• Pace maker detection(Option)
• Real-time clock for date and time(Option)
• Built-in memory up to 70 patients operation(Option)
• Buzzer(Option) • Rechargeable battery(Option)
• Weight : 2.6 kg with battery
• Dimension(W×H×D): 312 mm × 252 mm × 85 mm
• 12/6-ch display (Type H : 4" LCD, 320 × 240 dots)
• 63/110mm roll paper (Type H)

406N (H)	• Non-interpretive ECG recording • Major measured cardiac events
406P (H)	• Measured parameters of full 12-lead • Averaged 12-lead ECG and cardiac segments
406R (H)	• Comprehensive ECG Interpretative • Measured and criteria message • Major measured cardiac events • Measured parameters of full12-lead • Averaged 12-lead ECG and cardiac segments
406RS(H)	• Stress ECG interface

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Data Saving / Display

CARDIPIA 400/800

PC printing

CARDIPIA800 (Type H)
12/6-ch ECG

ECG / CARDIPIA800

• Compact and light-weight • 12/6/3-ch recording
• 216mm roll paper • Simultaneous 12-lead ECG acquisition
• Copy of the last patient's ECG data
• Simple and easy alphanumeric key operation
• Free AC power (100-240VAC)
• Built-in rechargeable battery operation
• Real-time 1ch ECG display
• Low battery check • Grid record
• Snap ECG record(last 8sec) • Full disclosure report (1 min)
• Real-time 12/6-ch ECG display(Option)
• PC networking (Option) • Real-time heart rate display (Option)
• Pace maker detection (Option)
• Real-time clock for date and time(Option)
• Built-in memory up to 70 patients operation(Option)
• Buzzer(Option) • Rechargeable battery(Option)
• Weight : 3.4 kg with battery
• Dimension(W×H×D) : 333mm×310mm×87mm

812N(H)	• Non-interpretive ECG recording
812P(H)	• Major measured cardiac events
	• Measured parameters of full 12-lead
	• Averaged 12-lead ECG and cardiac segments
	• Comprehensive ECG Interpretative
	• Measured and criteria message
812R(H)	• Major measured cardiac events
	• Measured parameters of full12-lead
	• Averaged 12-lead ECG and cardiac segments
812RS(H)	• Stress ECG interface
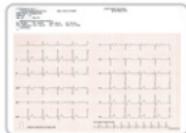
PC Network

• ECG data transmission to PC
• ECG data save to PC
• PC printer record
• High resolution printing
• Print color setting
• Print format setting

ECG Simulator

TSM 3000

• Pocket size and light-weight to carry
• Long lasting battery life
• Low power operating (1.5VDC AAA type)
• Direct connection to ECG equipment
• 12-lead ECG signal output

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Stress ECG Display
ECG Data Analysis

ECG Signal
Acquisition

Treadmill

Stress ECG

- Cost-effective stress ECG system
- CARDIPIA ECG interfaced with PC
- Automatic ST measurement • Automatic ECG analysis
- Automatic arrhythmia detection and alarm
- Configuration of analysis parameters
- Continuous ECG display
- Copies and printed report of analysis result
- Editing creation of treadmill protocol
- Easy operation by Touch Screen (Smart ECG)
- SD card memory (Smart ECG)
- LAN/USB/RS232 connection (Smart ECG)

Treadmill
- Automobile technology
- Strong and stable running
- Silent and smooth movement
- Less maintenance and long life cycle
- Qualified running and driving belt

Model	Type	ECG Specification			Treadmill	S/W
		CH	LCD Size	Display		
CARDIPIA400	406RSH	12/6	3.5" (Color)	12/6-ch(Touch)	VR2000T3M	Stress ECG S/W
CARDIPIA800	812RSH	12/6	3.5"/ 7"(Color)	12/6-ch(Touch)		

VETERINARY ECG

- Compact size and light-weight
- 4-lead patient cable
- Built-in rechargeable battery operation
- Analyzed parameter recording

201NV
- 1-ch ECG recording
- 50mm paper width

203NV
- 3/1-ch ECG recording
- 63mm paper width

406NV / 406PV
- 6/3-ch recording
- 110 mm paper width
- Measure parameters(406PV)

HOLTER ECG / CARDICODE 300

- T wave analysis and trend
- ST segment analysis
- R point editing
- QT analysis and trend
- HR Variability analysis
- Reviewing ECG rhythm trend
- Acquire Pacing ECG directly

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Laser printer

Laser printer

LAN / USB / RS232

LAN / USB / RS232

SD CARD

SD CARD

Color TFT LCD
Easy operation by
Touch screen

Color TFT LCD
Easy operation by
Touch screen

CARDIPIA400 3.5"LCD
TOUCH COLOR (Smart ECG)

CARDIPIA800 7"LCD
TOUCH COLOR (Smart ECG)

SMART CARDIPIA ECG CARDIPIA400

- 6/3-ch recording • 110mm roll paper
- 12/6/3/1-ch display • Comprehensive interpretati
- 3.5"color TFT LCD
- Easy operation by touch screen
- PC networking • Stress ECG connection
- Real time heart rate display • SD card memory
- LAN / USB / RS232 connection
- Laser printer connection
- Arrhythmia detection
- Pace maker detection
- Full disclosure report (max 5 min)
- Snap ECG record(8sec)
- Real time clock(Date/Time) • Grid record

Option	CARDIPIA400
	Smart ECG
Recording channel	6/3-ch
Recording paper	110 / 63mm
Color TFT LCD	3.5"
Touch Screen	O
PC Network	O
Memory	USB / SD card
PC interface	LAN / USB / RS232
Laser printer	O
Full disclosure report	Max, 5min
Others	Same as CARDIPIA400 features

SMART CARDIPIA ECG CARDIPIA 800

- 12/6/3-ch recording • 216 / 210mm / Fax roll paper
- 12/6/3/1-ch display • Comprehensive interpretati
- 3.5" / 7" color TFT LCD
- Easy operation by touch screen
- PC networking • Stress ECG connection
- Real time heart rate display • SD card memory
- LAN / USB / RS232 connection
- Laser printer connection
- Arrhythmia detection
- Pace maker detection
- Full disclosure report (max 5 min)
- Snap ECG record(8sec)
- Real time clock(Date/Time) • Grid record

Option	CARDIPIA800
	Smart ECG
Recording channel	12/6/3-ch
Recording paper	216 / 110mm
Color TFT LCD	3.5"/ 7"
Touch Screen	O
PC Network	O
Memory	USB / SD card
PC interface	LAN / USB / RS232
Laser printer	O
Full disclosure report	Max, 5min
Others	Same as CARDIPIA800 features

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Type 7012K

Type 5500A

PATIENT MONITOR / VITAPIA7000K

- 12.1" TFT Color LCD
- AC/Battery operation
- Audible and visual alarm
- Central monitoring network
- 7-lead ECG wave forms
- 480 hours storage, trend review
- Built-in printer

ECG	• 5 (10-lead) • I, II, III, aVR, aVL, aVF, V (V1~V6) • Diagnostic / Monitor / Operation • ST segment, Arrhythmia analysis • Visual / audible alarm
TEMP	• 2 - ch
NIBP	• Automatic oscillation • Manual/automatic/continuous • Adult/pediatric/neonatal • Systolic, diastolic and mean pressure alarm
SpO₂	• Oxygen Saturation(SpO2) • Pulse Rate(PR) • SpO2c Plethysmogram
RESP	• RA-LL Impedance
IBP	• Sensitivity 5uV/V/mmHg • ART, PA, CVP, RAP, LAP, ICP, P1, P2
EtCO₂	• Side stream / Main stream • EtCO₂, Ins CO₂, AwRR

Patient Monitor	VITAPIA 7000K		
	7012K		
Monitor (Color TFT LCD)	12.1"		
ECG Lead (lead)	5(10)		
ECG Lead Selection	I,II,III,aVR,aVL, aVF,V,(V1~V6(ECG 2))		
NIBP	O		
SpO2	O		
Resp.	O		
Temperature (ch)	1(2)		
Option	2~IBP, EtCO₂, Printer, Central Networking System S/W		
Central Networking	O		

AMBULATORY NIBP/SPO2 / VITAPIA5500

- Transfer data to PC-based Software via USB port,accurate analysis systems.
- Compact and portable design
- Adjustable audible and visual alarms
- 2.4" TFT display of NIBP, SPO2 and pulse rate
- Real-time ambulatory monitoring
- 24hours storage and review of data
- PC networking on the windows based S/W for review and print
- Up to 300 items of memory for common user and 358 for ambulatory blood pressure monitoring user.
- Clinically proven accuary   Battery status indicator
- Automatic cuff inflation and deflation
- Reliable power supply with 2AA batteries

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Type 8000G

FETAL MONITOR / FM8000

- Light weight, easy operation
- Nine elements high sensitive probe
- FHR, TOCO, fetal movement, twins monitoring and automatic channel recognition.
- Wide range of applying voltage (100-250V)
- Manual Fetal Movement Detection
- Built-in network/PC connecting interface
- Real-time for date recording,analyzing and displaying

FETAL DOPPLER / DP6000

- Potable, compact and light
- LCD display with backlight
- High sensitivity interchangeable probe
- Support 2MHz, 3MHz, 4MHz, 8MHz waterproof probes
- Built in speaker and sound output interface
- Automatic power off
- Real time FHR display, Average, FHR display and manual calculation
- Battery status indicator and low power indication
- Suitable Using Range: Suitable for use after the 12th week of pregnancy

Type 6000B

Type 500D / 500DP　　　Type 500FB

FINGERTIP PULSE OXIMETER / OXY500

- Color OLED with 4 direction display
- 120 ×96 dots, 65K color　• Visual and audio alarm (35-99%)
- Pulse sound, pulse ratio (30-250BPM)
- USB and wireless interface to computer
- Synchronous display on the oximeter and computer
- Inner flash memory for at most 24hours data storage
- Advanced software for sleep study and monitoring
- Power supply: 3.7V rechargeable lithium polymer battery
- Battery voltage indication: color OLED graph
- Charger: USB and AC charger　• SPO2: 35-99%
- Power consumption: less than 100mA(wireless and alarm not work).
- Resolution: 1% for SPO2 and 1 BPM for pulse ratio
- Measurement accuracy: ±2% in stage of 70%-99% for SPO2
- Unspecified in stage of 35-69% for SPO2
- ±2 BPM or ±2%(select Larger)for pulse ratio
- Automatic power off when no finger is in the oximeter more than 4sec.
- sleep study and monitoring

	500D	500DP	500FB	500FBW
USB to PC	x	O	O	O
Built-in memory	x	24hours	24hours	24hours
Wireless	x	x	x	O
Sleep study S/W	x	x	O	O
USB charger	x	x	O	O