

Validity: 60 days

Minimum Technical Requirements for CTG MACHINE

> PRODUCT SPECIFICATIONS

- Performance specification
 - o Ultrasound
 - Technique
 - Ultrasound pulse Doppler with autocorrelation
 - Pulse repetition rate
 - 2KHz
 - Pulse duration
 - 92μs
 - Ultrasound frequency
 - 1.0 ± 10% MHz
 - Ultrasound signal range
 - 3.5μV Vpp 350 μV Vpp
 - Max output power
 - <15mW
 - FHR measurement range
 - 50 240 bpm
 - Resolution : 1 bpm
 - Accuracy : ± 1bpm
 - o DECG
 - Technique
 - Peak peak detection technique
 - DFHR measurement range
 - 30 240 bpm
 - Resolution
 - 1 bpm
 - Accuracy

PREPARED & REVIEWED BY

END USER: ______ DESIGNATION: ______

JAMES CARLTY D. LABADAN, ECE CHAIRPERSON

KEVIN S. CATAGUE, ECE JOEL L. LUNA VICE-CHAIRPERSON MEMBER

IVAN PAUL L. TANO, ECE MEMBER

CE CRIS ABEL M. GUEVARRA, MPA MEMBER

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RICHARD B. SISON, MD, MHA, FPCHA, FPSMS Medical Center Chief II Page | 1



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±1 bpm TOCO 0 Toco range 0-100% • Page | 2 Non linear error ±10% • Resolution 1% Fetal movement Technique 0 Pulsed Doppler ultrasound Fm mode 0 Automatic or manual AFM mode 0 Trace or blackmark Display range 0 0 – 999 ➢ ECG HR measurement range 0 30 – 240 bpm HR measuring accuracy 0 ±2 bpm ECG waveform 0 Manual control ECG waveform display Sweep speed 0 25 mm/s Sensitivity 2.5 mm/mV PREPARED & REVIEWED BY END USER: DESIGNATION: JAMES CARLTY D. LABADAN, ECE **KEVIN S. CATAGUE, ECE** JOEL L. LUNA IVAN PAUL L. TANO, ECE CRIS ABEL M. GUEVARRA, MPA CHAIRPERSON VICE-CHAIRPERSON MEMBER MEMBER MEMBER APPROVED BY: RICHARD B. SISON, MD, MHA, FPCHA, FPSMS Medical Center Chief II

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Minimum Technical Requirements for CTG MACHINE

- 5mm/mV
- 10mm/mV
- 20mm/mV
- AUTO gain
- > SpO2

0

- Measurement range
 - 50 100 %
 - Resolution
 - 1%
- Measurement accuracy
 - 90 100% : ±2%
 - 70 90 %: ±4%
- PR measurement range
 - 30 240 bpm
 - Accuracy: ± 3 bpm
- Physical specification
 - o Dimesion
 - Not larger than 350 x 350 x 150 DWH
 - Weight
 - Not heavier than 6.5 kgs
 - Power supply

- 220 240 Vac
- Battery
 - 14.8Vdc/ at least 5000 mAh
- Ingress protection
 - Main unit
 - At least IPX1

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Minimum Technical Requirements for CTG MACHINE

- US & TOCO transducers
 - At least IPX8
- o Display
 - LCD size
 - Not smaller than 12 inches
 - Pixel : 800H x 600V

Standard compliance

- ISO 81060-2:2013: Non-invasive sphygmomanometer
- o IEC/EN 60601-2-27: Electrocardiographic monitoring equipment
- IEC/EN 60601-2-37: Basic safety and essential performance of ultrasonic diagnostic equipment

STANDARD ACCESSORIES:

NOTE: accessories sets is per unit

- Ultrasound gel 1 bottle
- 10 packs thermal paper
- Automatic voltage regulator
- > Trolley

STANDARD REQUIREMENTS UPON SUBMISSION OF BIDDING DOCUMENTS

Soft copy of user manual REQUIREMENT/S IF AWARDED THE CONTRACT

Unit must be BRAND NEW.

Manual in English Language

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END USER:	
DESIGNATION:	

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Minimum Technical Requirements for CTG MACHINE

- 2 copy of Operation manual (Hard copy)
- Service manual with soft copy
- ➤ Training Program
 - for end-user on equipment's operation with certificate
 - Technical training with certificate (When necessary)
- > Three (3) years warranty on parts and service after commissioning and acceptance
- > Certification on the availability of spare parts for the next 5 years
- > Down time of machine will be added as extension of the warranty.
- > With calibration certificate (When necessary)
- Supplier must respond to a service call before 72 hours and should be onsite not more than 7 days.
- > Section V. Special Conditions of the Contract
 - Delivery Place: Margosatubig Regional Hospital, Zamboanga del Sur
- Section VI Schedule of Requirements
 - Completion/Delivery Period: _____ calendar days upon receipt of the Notice to Proceed including the delivery, installation, testing and commissioning, Partial delivery allowed within the completion/delivery period.

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