



# Ulterius 501

TELE ECG SYSTEM



## TELE ECG SYSTEM

Upgradable to Pulse Oximeter, Temperature & NIBP

- **Simplify Mobility**

In-built GPRS / Wifi connectivity for bidirectional transmission.

- **Expedite Decisions**

Allows clinicians to access, interpret and respond to remote patient ECG.

- **Facilitate Collaboration**

Care co-ordination for Outpatient, Inpatient, Community Clinic and Home.

# Ulterius 501 *is a web based remote health solution to send and receive patient's ECG and reports.*

## Optional Parameters Available

- Pulse Oximeter
- Non-invasive blood pressure (NIBP)
- Body Temperature



- Secure GPRS connection for transmission of Vital data
- SMS notification facility



- Wireless patient data transmission with PC/Laptop



- One touch Upload facility of patient's data
- Specialist diagnosis report with single click Download key



- Support for all major wireless devices and platforms (Android, iOS, Windows & BlackBerry)



- USB PCL compatible DeskJet and Laser printers (optional\*)

\* only for selected hp printers

# WEB PORTAL

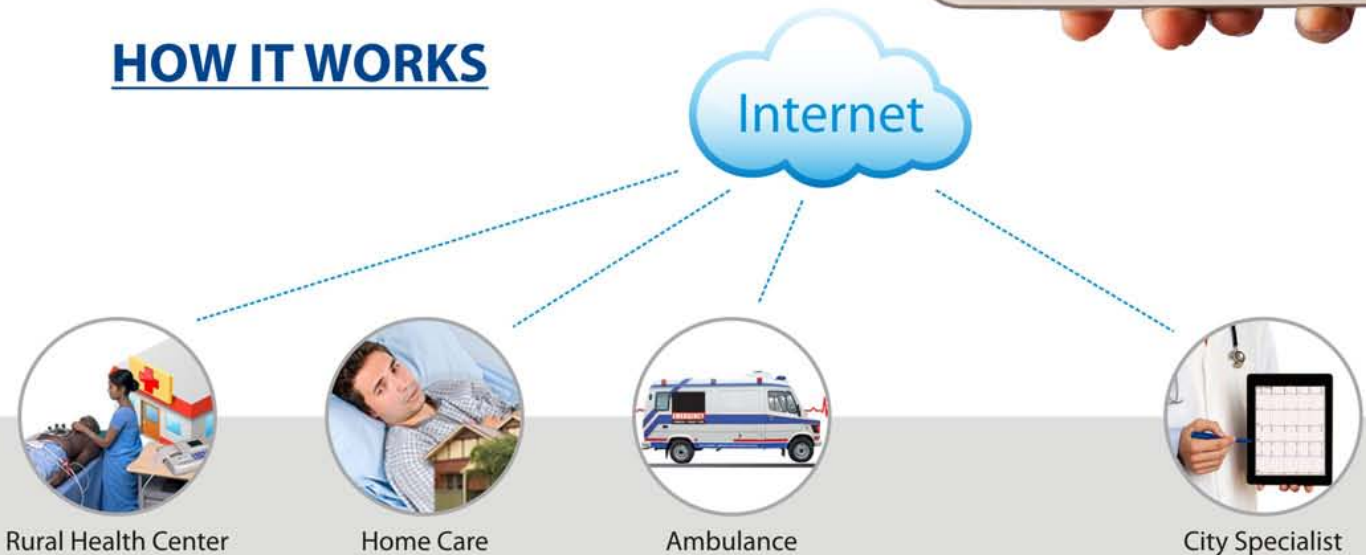


## What We Are Offering

- Online Global access
- Direct phone call facility to examiner / patient
- Facility to send and receive ECG from numerous locations
- Bi-directional transmission
- Patient's clinical data maintained with history



## HOW IT WORKS



# Ulterius 501 - Technical Specifications

## ECG

A/D Resolution	12 Bit
Lead selection	Standard 12 leads
Filters	Low pass filter: 20,35,40,130 Hz. High pass filter: 0.05, 0.10, 0.50 & 1.0 Hz Notch filter 50/60 Hz
Acquisition	Auto / Manual
Memory	20 Patients
Input impedance	> 100 M ohm
Frequency Response	0.05-150 Hz
CMRR	100 dB
Time Constant	3.2 sec
Sensitivity	5 mm/mV, 10mm/mV, 20mm/mV
Leakage Current	< 10 micro Ampere

## SPO2\*

Saturation range	0 – 100%
Adult	70 – 100% ± 2 digits
Neonate	70 – 100% ± 3 digits
Low Perfusion	70 – 100% ± 3 digits
	0 – 69% unspecified
Pulse Rate range	20 – 250 bpm
Adult	20 – 250 bpm ± 3 digits
Neonate	20 – 250 bpm ± 3 digits

## NIBP\*

Method	Digital automatic, Oscillometric
Work Mode	Manual, Automatic & Continuous
Unit	mmHg, kPa
Measure range -	
Adult	SYS 40-280mmHg
	DIA 10-225mmHg
	MAP 20-240mmHg
Pediatric	SYS 40-220mmHg
	DIA 10-160mmHg
	MAP 20-170mmHg
Neonatal	SYS 40-135mmHg
	DIA 10-100mmHg
	MAP 20-110mmHg
Resolution	1mmHg
Accuracy	5mmHg
Protection	Over pressure

\*Optional

## TEMPERATURE\*

Channel	1
Range	0-50°C
Resolution	0.1°C
Accuracy	2%

## RECORDING & PRINTING

Recorder	Thermal Printer
Paper Speed	12.5mm/sec., 25mm/sec., 50mm/sec
Recording paper	Thermo sensitive 80mm (Rolled)
Printing Labels	Patient Information Template, Leads, Calibration, Print Speed, Filter, Sensitivity
Print-out Format	A) Auto mode - 3, 3+R with medians, 3+R with medians+Axis+measurements & interpretation B) Manual mode - 3 channel three different lead selected from Keypad

## DISPLAY

Display Format	Three Channel
Graphics Display	320 X 240 pixels TFT screen (color)
Display Size	3.5"

## POWER SUPPLY

Line Power supply	~ 220 - 240V, 50Hz ± 10%
Power Supply Operation	AC/DC with on / Off line Battery charging
Battery	= 12V / 1.2AH (Lead Acid)
Charging Time	3 Hours

## MECHANICAL

Dimensions (mm)	288 mm X 238 mm X 85 mm
Weight	1.8 Kg approx.

## HARDWARE & ACCESSORIES

Component	Quantity		Quantity
ECG Patient Cable	01	Bulb Electrode	06
Adaptor 19V, 3A, AC-DC	01	Limb Electrode	04
Power Cord	01	Conducting Tube Jelly	01
Fuse T 1.5 A	02	Thermal Printer Roll	02
Earthing Wire	01	User Manual	01



Limb & Bulb Electrode



ECG Cable



NIBP Cuff\*



SPO2 Sensor\*



Skin Temp. Probe\*

Since R&D is a continuous process, features & specifications are subject to change without notice.

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