

Recobro Vigile®

Specifications

General			
Size	L 135 mm, W 85 mm, H 35 mm	Stat Mode	Average of all readings in 5 minutes.
Weight	300 g	Pulse Rate Range	20 to 250 bpm
Display		Over Pressure Monitor	270 mmHg (Adult)
Screen Type	Color TFT		220 mmHg (Pediatric)
Display Area	2.4"		130 mmHg (Neonatal)
Resolution	240 x 320		
Applications	Adult, Pediatric, and Neonatal.		
Electrical		Respiration	
Internal Battery	3.7V, 4800mAh Lithium ion, Rechargeable battery	Technique	Trans-thoracic impedance.
Charge time	Maximum 6 hours to full capacity.	Range	5 to 150 breaths / min.
Operation	DC Operation.	Accuracy	± 2 or ± 3 % breaths / min.
DC Socket	5.0 V 2.5 A	Resolution	1 breath / min.
Battery Backup	24 hrs on full load working at NiBP Command on every 15 minuets	BW	0.1 to 3 Hz
Environmental		Leads	RA to LA
Operating Temperature	0 to 45 °C	Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec.
Operating Humidity	5 to 95% RH, non-condensing.	Lead Open detection	Detected & Displayed
Storing Temperature	-5 to 70 °C		
ECG		IBP	
Leads	I, II, III, aVR, aVL, aVF, V in 5 Lead/ I, II, III 3 Lead, configuration.	Measurement Range	-10 to 300 mmHg
Heart Rate Range	20 to 250 bpm	Channel	Up to 2 Channels
Heart Rate Accuracy	± 3 bpm	Pressure Transducer	
Bandwidth Diagnostic	0.05 to 40 Hz	Sensitivity	5 µV/V/ mmHg
Bandwidth Monitoring	0.5 to 40 Hz	Resolution	1 mmHg
Display Sweep Speed	6.25, 12.5, 25, 50 mm/sec(Applicable on viewer).	Accuracy	±1 mmHg or ± 2%, whichever is greater.
ECG Sensitivity	4, 2, 1, 0.5, 0.25 mV/cm.(Applicable on viewer).	*EtCO₂	
Lead Open Detection	Detected & displayed. (Applicable on viewer).	Method	Infrared Absorption.
Pacemaker Detection	Indicator on waveform display.	Measurement mode	Side Stream (Available on Recobro View Display only) Or
Arrhythmia	Selectable arrhythmia detection.		Main Stream (available on Recobro Vigile)
CMRR	> 90 dB		
Input Dynamic Range	± 5 mV AC, ± 300 mV DC	Measurement range	
ST Range	from -0.9 to 0.9 mV	EtCO ₂	0 to 99 mmHg
Defib Protection	protected against 360 J discharge and electrostatic potentials.	ICO ₂	0 to 99 mmHg
		RR	5 to 150 rpm
SpO₂		Resolution	
Range		EtCO ₂	1 mmHg
% Saturation	0% to 100%	ICO ₂	1 mmHg
Pulse Rate	20 bpm to 250 bpm	RR	1 rpm
Accuracy SpO ₂	70% to 100%: ± 2 digits 50% to 69%: ± 3 digits 0% to 49 %: Unspecified	Accuracy	
		CO ₂ concentration	± 2 mmHg @ ≤ 5% Co ₂ < 10% of reading @ > 5% Co ₂
Pulse Rate	± 3 bpm		
PR Resolution	1 bpm	RR	± 2 rpm
Cautery Protection	protected against external cautery interference.	Apnea alarm	Yes
		occlusion error	Yes
Temperature Single /Dual		*Printer (Optional)	
Range	0 to 50 °C	Printer	Single / Dual channel printing(With Viewer)
Accuracy	± 0.1 °C		
NIBP		Safety:	
Technique	Oscillometric	IEC 60601 - 1, 1-2, 2-49	
BP Measurement Range		Recommended Minimum Mobile Specifications for MyTelePatient Mobile App	
Adult	30 to 250 mmHg	RAM	: 1GB
Pediatric	30 to 200 mmHg	Display	: 5"
Neonatal	20 to 110 mmHg	Bluetooth	: Yes
Measurement Modes		Wi-Fi	: Yes
Auto	Automatic BP measurements at 2, 3, 5, 10, 15, 20,30,60,120,240,480 & 720 Minutes	Mobile Networks	: 3G/4G/5G
Manual	Single measurement initiated by NiBP Start/ Stop switch.		

Product Certifications



Certified for sale in:
Asia, Europe, Africa, Australia, UAE, South America

EC REP
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We Truly **MAKE IN INDIA**
All Modules indigenous.



Clarity of thought..... spearheading diagnostic technology

Recobro Vigile®
Tele ICU Patient Monitor

The first of its kind, Clarity's *Recobro Vigile®* makes it possible to do Real Time Patient Monitoring and Telemetry of multiple vital parameters with a single, durable and compact Bluetooth enabled wireless wearable monitor. The innovative technology behind the design of *Recobro Vigile®* provides Continuous Tele Monitoring through *MyTelePatient* - The companion mobile TeleICU application
Patient Data can be transmitted to any mobile device anywhere around the globe using existing wireless communication technologies.

★ Essential equipment for Emergency

Response Services (Ambulance)

★ All vital patient monitoring

parameters at doctor's desk

★ *Recobro Vigile®* gives you the

ultimate freedom to move

★ Multiple patients can be monitored

through a single TeleICU Mobile

application - *MyTelePatient*



* Specifications are subject to change without prior notice.

Salient Features

- Compact, lightweight and easy to handle
- 2.4" LCD Display with Vital sign values
- Measured Parameters are **ECG, SpO2, NiBP, IBP, Temperature, Respiration, EtCO2 (Mainstream)**
- Real Time wireless transmission of physiological information allows dynamic remote patient monitoring
- Rechargeable Battery upto 24 hours backup
- Adult, Pediatric and Neonatal applications
- Smart Design facilitates transit monitoring
- Cableless connectivity with **MyTelePatient mobile app**



Wearable & Compact



Remotely Viewable on Wireless Devices
MyTelePatient app

MyTelePatient - Android Mobile App

- Android based Mobile app intended for use by medical professionals for review and advisory purposes. The software application is capable of displaying physiological and other patient information derived from compatible Clarity patient monitors and Central Monitoring Systems.
- **MyTelePatient** mobile app provides security features as only registered users may have access to patient data.

Multiple Hospitals on your Mobile Device

- Specialist doctors are always on frequent visits and **MyTelePatient** Mobile App helps their patients' information travel along with them.
- Doctors can view the physiological data of multiple patients in real time, present at different hospitals with the **MyTelePatient** mobile app with just a few clicks.

Tele-Monitoring Freedom of Movement



- **Recobro Vigile®** is a bluetooth / wifi enabled device, it can be paired with smartphone/tablet to acquire and display real time view of all vital physiological parameters along with waveforms.
- **Recobro Vigile®** liberates patient from being tied to bed. If permitted by the doctor, patient can do normal activities like walk in corridor or move to washroom etc. with uninterrupted monitoring with the use of Bluetooth technology and wifi internet.
- Makes patient movement easy between OT, ICU, CCU, Ward and Ambulance as one **Recobro Vigile®** monitor can be paired with different smart phone /tablet /Local or Tele CMS at any stage of treatment. any acquisition unit can be viewed on Android/iOS devices.
- One acquisition unit attached to patient at OPD or Ambulance need not be changed throughout the entire hospitalization period.
- Doctors/nursing staff can move around patient bed freely because there are no bunches of wires hanging around from patient to wall hung Display unit.

Recobro Tele ICU App for patients in ambulance



- **Patients in Transit:**
- Doctors in the hospital will get to know all vital parameters of patient in transit in advance.
- Patients in the ambulance can be monitored with wearable **Recobro Vigile®** monitor by the medical attendant and no extra communication hardware is required as all wireless communication will be achieved over existing mobile communication technologies.
- The medical attendant can connect **Recobro Vigile®** with mobile app and transform that mobile device into **CMS (Central Monitoring Station) or Remote Tele CMS**
- All Real Time physiological data of incoming patient will be available on mobile app interface (**MyTelePatient**) of registered remote viewers present at hospital.
- All necessary arrangements for incoming patient treatment can be made prior to hospitalization.