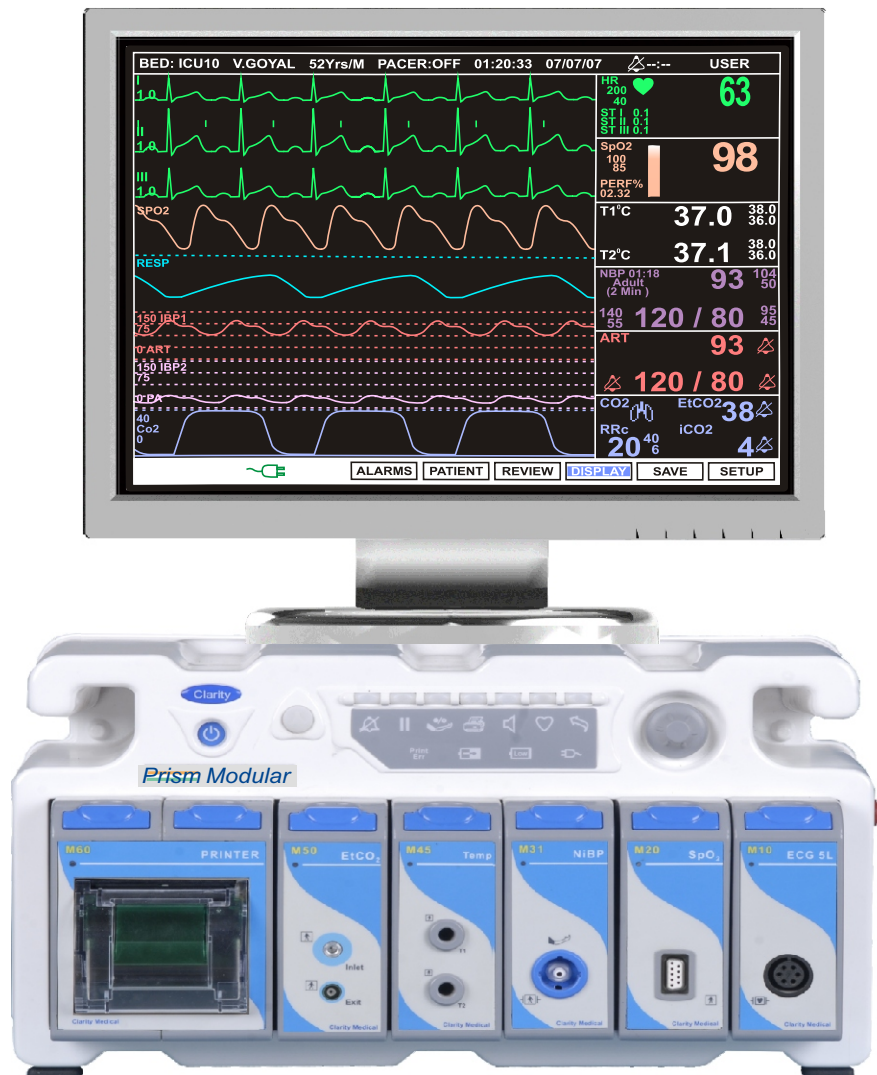


Prism MODULAR

Cost-efficient High-tech Flexi Monitoring

CE₁₀₂₃



CE₁₀₂₃

Clarity Medical Pvt. Ltd.



Prism MODULAR

The truly Modular Patient Monitor

brings sophistication to your ICU, CCU and OT's

Salient Features

- ▶ User friendly functions through optical encoder
- ▶ Direct key operation for all important functions
- ▶ User selectable external TFT/ CRT display
- ▶ Configurable screen formats for dedicated applications
- ▶ Adult, pediatric and neonate application
- ▶ Both audio and visual alarms for vital signs
- ▶ 16 event recording of alarm conditions
- ▶ Automatic alarm limit function
- ▶ 48 hours graphical and tabular non-volatile trends
- ▶ In-built rechargeable battery
- ▶ Built-in Demo Mode
- ▶ Networking capability
- ▶ Compatible with ClarityMed Central Monitoring System

Accessories



NIBP Adult & Pediatric Cuff
NIBP Extension Tubing



CO2 Sampling Line
IBP Pressure Monitoring Kit



Temperature Probe



IBP Interface Cable



SpO2 Probe



5L ECG Cable



- Dual channel thermal recorder

- 5 Lead ECG module

- Pulse Oximeter for measuring the O₂ concentration

- Dual channel temperature measuring

- Side stream capnography for monitoring EtCO₂

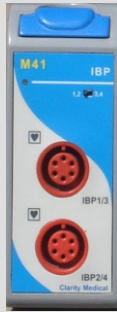
- Non-invasive Blood Pressure measuring

Patient Monitoring with Excellence . . .

Adaptable to your needs... Easy Upgradation... Cost Effective...

Q. Need to add another parameter while monitoring ?

No hassles...



...Handheld runtime plugable compact modules

Q. Want most sophisticated parameters like EtCO2 or IBP etc. Available at each bed while not letting your budget go out of control ?

No hassles...

...Consoles at each bed can share module when needed.

Fewer sophisticated / expensive modules can do the job...

Q. Want upgradation later but can not afford to disrupt operations ?

No hassles...

...Start using the Spectra Modular monitor with your choice of minimum affordable configuration. Buy other modules later.

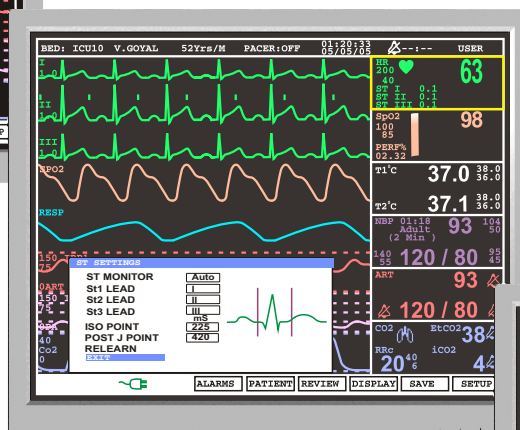
No need to call engineers.

Perfectly Scalable..... Isn't it !

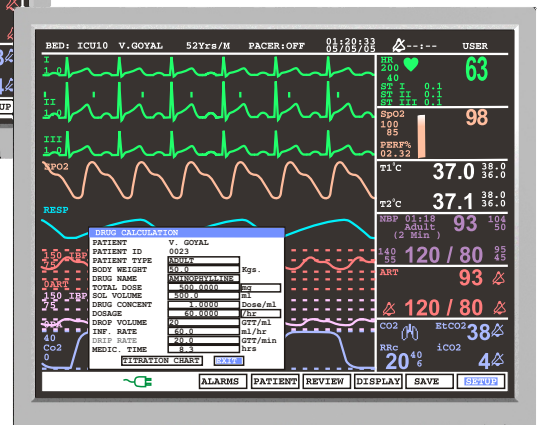
Wide/ Efficient/ Flexible Displays



- User configurable display layout to support upto 8 waveforms and 6 numeric digit fields
- Special mode to view all waveforms
- Big font - better viewing from a distance
- Five user configurable modes with pre-configured settings



- Pacemaker detection
- Arrhythmia analysis
- ST analysis with selected ST points
- Simultaneous multi-lead acquisition



- Comprehensive drug calculation to calculate the infusion rate

Specifications

General

| | |
|--------------|--|
| Size | W 375 mm, L 158 mm, H 211 mm |
| Weight | < 5.5 Kgs. |
| Display | |
| Screen Type | VGA Out |
| Display Area | 14"/ 17" |
| Resolution | 800 x 600 |
| Wave Forms | Upto 8 waveforms can be displayed at any time. Numeric Display includes HR/ PR, SpO ₂ %, NiBP with MAP, Resp., Temp1 & Temp2, IBP & CO ₂ . |
| Trends | 416 readings of NIBP, 96 Hrs. for all other parameters. |
| Networking | 2 way Central Nursing Station connectivity. |
| Alarms | Adjustable alarm limits. |
| Applications | Adult, Pediatric, and Neonatal. |

Electrical

| | |
|------------------|--|
| Internal Battery | 12V, 1.8Ah, NiMH Rechargeable battery. |
| Charge time | Maximum 12 hours to full capacity. |
| Operation | AC operation. |
| AC Mains | 220 V AC ±10% , 50 Hz, 1.5A SB max. |

Environmental

| | |
|-----------------------|------------------------------|
| Operating Temperature | 0 to 45 °C |
| Operating Humidity | 5 to 95% RH, non-condensing. |
| Storing Temperature | 0 to 55 °C |

ECG

| | |
|----------------------|---|
| Leads | I, II, III, aVR, aVL, aVF, V in 5 Lead configuration |
| Heart Rate Range | 20 to 250 bpm |
| Heart Rate Accuracy | ± 3 bpm |
| Bandwidth Diagnostic | 0.05 to 40 Hz |
| Bandwidth Monitoring | 0.5 to 40 Hz |
| Display Sweep Speed | 6.25, 12.5, 25, 50 mm/sec. |
| ECG Sensitivity | 4, 2, 1, 0.5, 0.25 mV/cm. |
| Lead Off Detection | Detected and displayed. |
| Pacemaker Detection | Indicator on waveform display. |
| Arrhythmia | Selectable arrhythmia detection. |
| CMRR | > 90 dB |
| Input Dynamic Range | ± 5 mV AC, ± 300 mV DC. |
| ST Range | from -0.9 to 0.9 mV |
| Defib Protection | protected against 360 J discharge and electrostatic potentials. |

SpO₂

| | |
|---------------------------|--|
| Range | |
| % Saturation | 0% to 100% |
| Pulse Rate | 20 bpm to 250 bpm |
| Accuracy SpO ₂ | 70% to 100%: ± 2 digits 50% to 69%: ± 3 digits 0% to 49 %: Unspecified |
| Pulse Rate | ± 3 bpm |
| PR Resolution | 1 bpm |
| Cautery Protection | protected against external cautery interference. |

Temperature (Optional)

| | |
|----------|------------|
| Range | 0 to 50 °C |
| Accuracy | ± 0.1 °C |

NIBP

| | |
|----------------------|--|
| Technique | Oscillometric |
| BP Measurement Range | |
| Adult | 30 to 250 mmHg |
| Pediatric | 30 to 200 mmHg |
| Neonatal | 20 to 110 mmHg |
| Measurement Modes | |
| Auto | Automatic BP measurements at 2, 3, 5, 10, 15, 20, 30, 60 & 120 minutes |
| Manual | Single measurement initiated by NiBP Start/ Stop switch. |

| | |
|-----------------------|---|
| STAT / CONTINUOUS | Average of all readings in 5 minutes |
| Pulse Rate Range | 30 to 250 bpm |
| Over Pressure Monitor | 270 mmHg (Adult) 220 mmHg (Pediatric) 130 mmHg (Neonatal) |

Respiration(Optional)

| | |
|---------------------|-----------------------------|
| Technique | Trans-thoracic impedance. |
| Range | 4 to 150 breaths / min. |
| Accuracy | ± 2 or ± 3 % breaths / min. |
| Resolution | 1 breath / min. |
| BW | 0.1 to 3 Hz |
| Leads | RA to LA |
| Display Sweep Speed | 6.25, 12.5, 25, 50 mm/sec. |
| Lead Off detection | Displayed |

Dual IBP (Optional)

| | |
|---------------------|--|
| Measurement Range | -10 to 300 mmHg |
| Channel | 2 Channels |
| Pressure Transducer | |
| Sensitivity | 5 µV/ V/ mmHg |
| Impedance range | 300 to 3000 (ohm) |
| Resolution | 1 mmHg |
| Accuracy | ±1 mmHg or ± 2%, whichever is greater. |

EtCO₂ (Optional)

| | |
|-------------------------------|--|
| Method | Infrared Absorption. |
| Measurement mode | Side Stream. |
| Measurement range | |
| EtCO ₂ | 0 to 99 mmHg |
| InsCO ₂ | 0 to 99 mmHg |
| RR | 4 to 150 rpm |
| Resolution | |
| EtCO ₂ | 1 mmHg |
| InsCO ₂ | 1 mmHg |
| RR | 1 rpm |
| Accuracy | |
| CO ₂ concentration | ± 2 mmHg @ ≤ 5% Co ₂ < 10% of reading @ > 5% Co ₂ |
| RR | ± 2 rpm |
| Apnea alarm | Yes |

Printer (Optional)

| | |
|---------|---------------------------------|
| Printer | Single / Dual channel printing. |
|---------|---------------------------------|

Safety:

IEC 60601 - 1, 1-2, 2-49

Accessories included

(Depending on what features are opted by customer)

| | |
|--|------------------------------|
| NIBP tubing | 1 No. 1.5 meters (5') long |
| NIBP Cuff(Adult) | 1 No. 25 to 35 cm (10" -14") |
| SpO ₂ reusable sensor probe | 1 No. |
| 3 Lead ECG Patient cable | 1 No. |
| Disposable electrodes | 20 Nos. |
| Temperature Probe | 1 No. |
| Operating Manual | 1 No. |

Contact Numbers (Marketing)

| | |
|---------------|-----------------|
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| | +91 93164 41109 |

Business Associate



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