

SPOT CHECK
Vital Signs Monitor



BM1



**COMPACT
EASY TO USE
ACCURATE**



**Portable
Design**



**Non-contact IR
Thermometer(Opt.)**

bionet
www.ebionet.com

1. Versatile operation modes

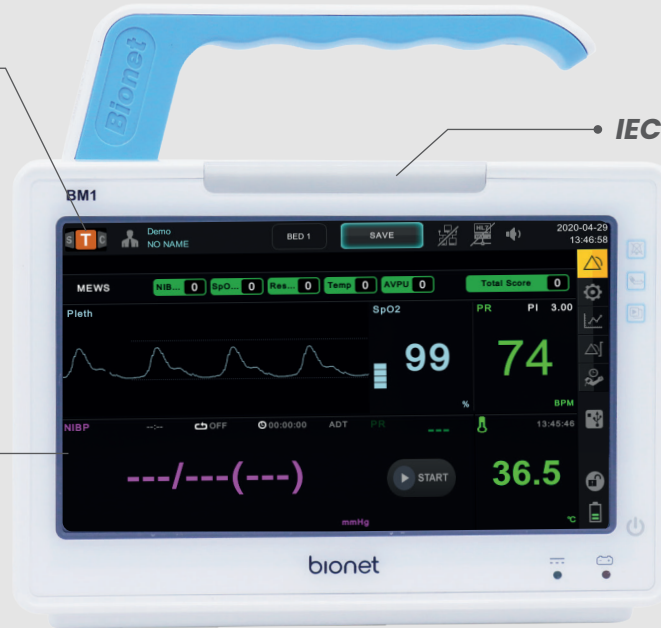
3 Operation modes

: monitoring and recovery with EtCO2(opt.)
CONTINUOUS

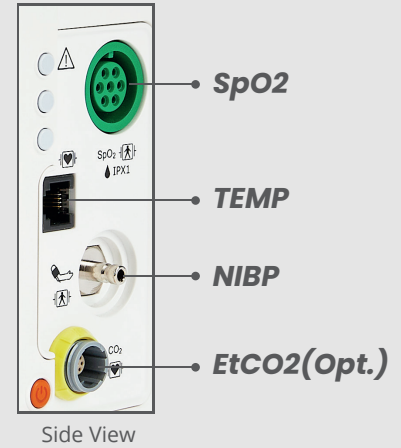
: check for immediate vital signs check up
SPOT

: with Early Warning Score
TRIAGE

7" Touch Screen



• IEC 60601-1-8 Compliant Alarm



2. Provide connectivity

Nurse-call connector

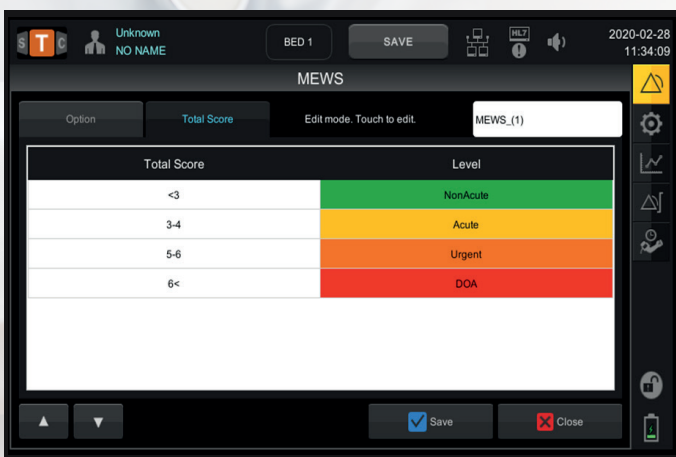
Dual USB port for Barcode reader and patient ID'ing

Mini HDMI for Dual display

Ethernet port



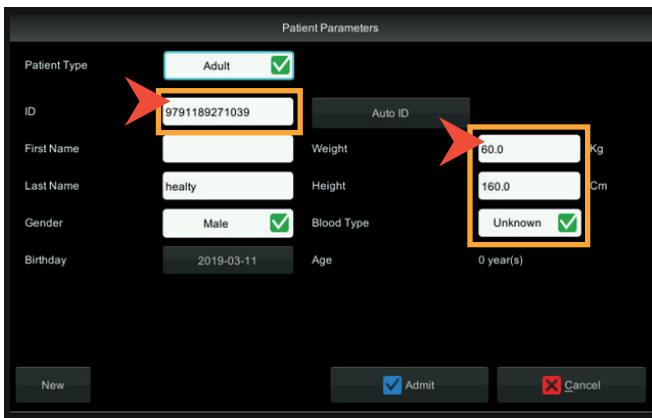
3. Support immediate clinical decision



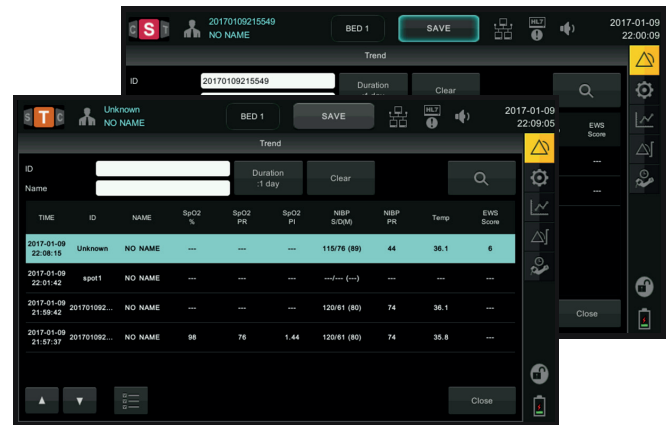
• 5 types of Early Warning Score

- MEWS, NEWS, PEWS, MEOWS, TEWS

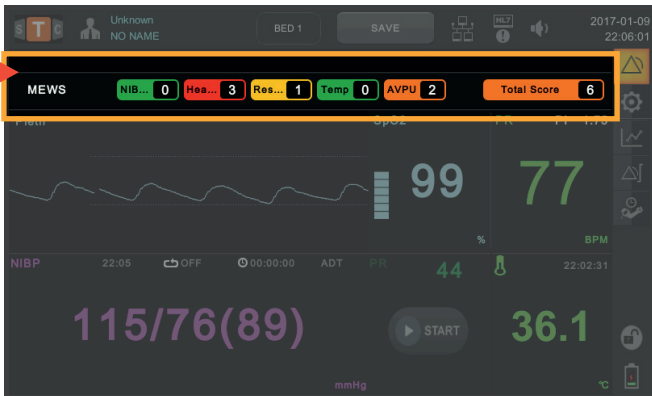
4. Enhance patient care



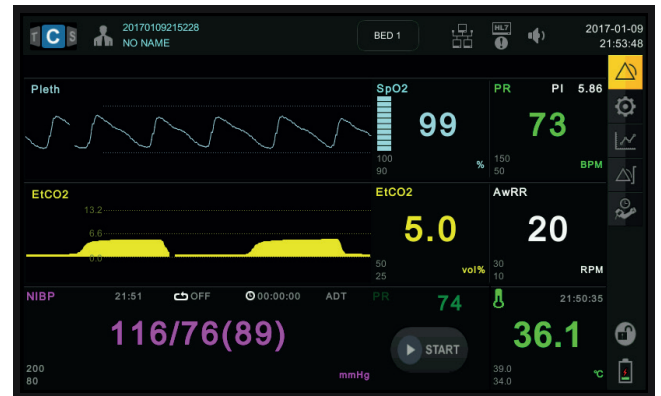
Real time data retrieve with barcode scanner



Advanced data management & storage up to 5000 cases of patient data



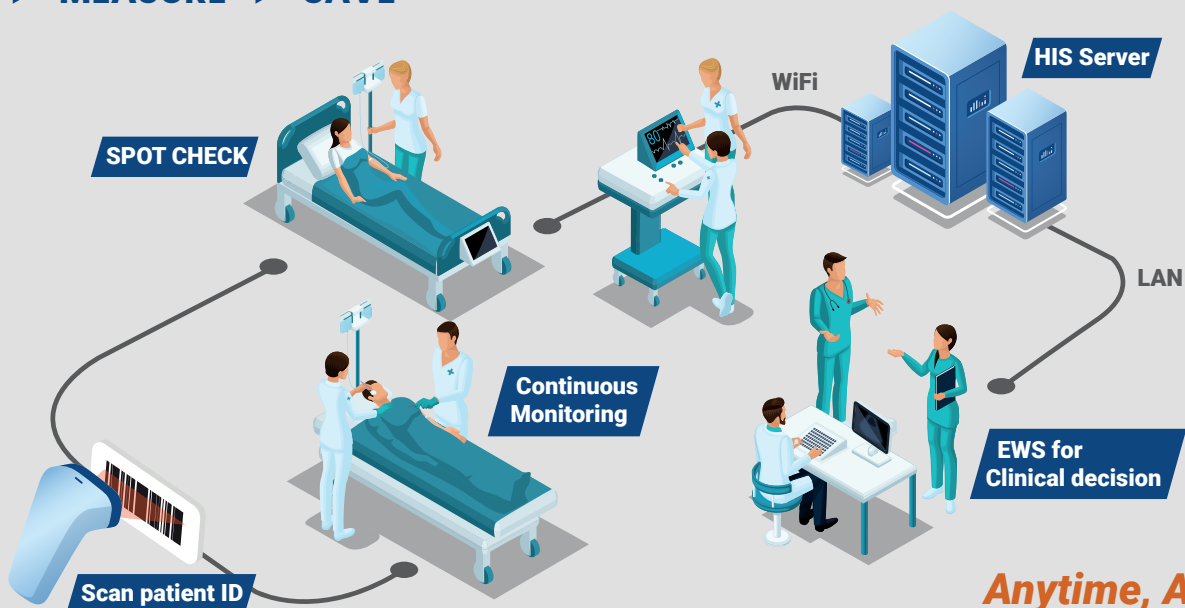
Triage mode with 5 types of EWS



Continuous mode with Respiration EtCO2 (Opt.)

5. Improve workflow and mobility

SCAN ► MEASURE ► SAVE



**Anytime, Anywhere
simultaneous HIS connectivity**

SPECIFICATIONS

Hardware specifications	
Dimension (W x H x D)	188 x 180 x 62 mm
Weight	Approx. 1.5kg
Display	7" color TFT-LCD full touch screen
Resolution	800 x 480 pixels
Parameters	SpO2, Pulse Rate, Systolic BP, Diastolic BP, Mean BP, Temperature(IR), EtCO2, FICO2, Airway Respiration Rate
Trace	2 waveforms : SpO2, EtCO2 Sweep speed : 6.25, 12.5, 25, 50 mm/sec
Indicators	Categorized alarms (3 priority levels) SpO2 pitch tone, Battery status, External power LED
Interfaces	DC input connector : 15VDC, 2.0A LAN digital output for transferring data Nurse call system connection: - 0.3A at 125VAC - 1A at 24VDC External monitor connection: HDMI USB barcode reader USB data storage
Battery	Rechargeable Li-ion battery 4 hours for continuous operation (max.)
Data Storage	168 hours trends, 5000 cases of patient data
Language	English, French, Spanish, Italian, Germany, Chinese, Russian, Czech, Bulgarian, Polish, Portuguese, Romanian, Hungarian, Turkish, Korean

Environment	
Temperature	Operation: 5 ~ +40 °C (41 ~ 104 °F) Storage: -20 ~ +60 °C (-4 ~ +140 °F)
Humidity	Operation: 30% ~ 85%, Storage: 10% ~ 95% (Package)
Altitude	Operation: 525 ~ 795 mmHg (70 ~ 106 kPa) Storage: 375 ~ 795 mmHg (50 ~ 106 kPa)

Temperature	
Measurement range	34 to 42.5 °C (93.2 to 108.5 °F) (IR Thermometer is optional.)
Accuracy	36 to 39 °C : ±0.2 °C (Other: ±0.3 °C)

SpO2	
Saturation range	0 to 100%
Saturation accuracy	70 to 100% ±2 digits 0 to 69% unspecified
Pulse rate range	30 to 254 bpm
Pulse rate accuracy	±2 bpm

NIBP	
Method	Oscillometric
Operation Mode	Manual/Automatic/Continuous
Measurement range	Systolic : 40 to 260 mmHg MAP : 26 to 220 mmHg Diastolic : 20 to 200 mmHg
Accuracy	mean error: less than ±5 mmHg standard deviation : less than 8 mmHg Meets accuracy requirements of ANSI/AAMI SP10:1992 and 2002 (Optional SunTech module)

Sidestream CO2 (Optional)	
Measurement range	0 to 150 mmHg, 0 to 19%
Accuracy	0-40mmHg ±2 mmHg, 41-70mmHg ±5% of reading, 71-100mmHg ±8% of reading, 101-150mmHg ±10% of reading
Respiration rate	2 to 150 breaths per minute
Respiration accuracy	±1 breath per minute

Mainstream CO2 (Optional)	
Measurement range	0 to 150 mmHg, 0 to 19%
Accuracy	0-40mmHg ±2 mmHg, 41-70mmHg ±5% of reading, 71-100mmHg ±8% of reading, 101-150mmHg ±10% of reading
Respiration rate	0 to 150 breaths per minute
Respiration accuracy	±1 breath per minute

