



**CRITICARE**  
TECHNOLOGIES, INC.

Moving performance and reliability *Forward™*

# Criticare eQuality™ Vital Signs Monitor

A low-cost, easy-to-use vital signs monitor



## The Smart, Reliable Vital Signs Monitor

Perfect for low acuity settings, the eQuality is an affordable, easy-to-use monitor that performs both spot-checking and continuous monitoring. Compact yet durable, the monitor may be hand-carried or mounted on a roll stand – flexibility you need in your hospital, clinic, or transport requirements. The eQuality operates on battery power or directly from an alternating current (AC) power supply without a cumbersome adapter.

The eQuality also provides:

- Faster, more comfortable readings through our proprietary ComfortCuff® NIBP that measures on inflation.

- DOX™ digital SpO2 technology with clear waveform display via LCD screen.
- Adjustable audible and visual alarm settings during continuous monitoring.
- An intuitive on-screen menu selection to streamline monitor set-up and usage.
- Large, responsive keys on an easy-to-clean membrane keypad will expedite spot-checking.
- Adult, pediatric, and neonate settings to test a complete range of patients.
- Nurse call capabilities and connectivity to your Electronic Health Record or network system.
- Trend data functionality for up to 250 blood pressure measurements with heart rate and SpO2 readings.
- Optional Bluetooth® connectivity available.

### APPROPRIATE LOCATIONS

*Physician and dental offices, hospitals, nursing homes, schools, industrial medicine, and transport vehicles*

### PRIMARY BENEFITS

**Comfortable.** Our ComfortCuff blood pressure technology reads on inflate, helping reduce patient discomfort and bruising.

**Portable.** The eQuality is small and lightweight and can sit on a counter or be mounted on a roll stand or wall mount for maximum flexibility.

**Affordable.** This basic monitor collects blood pressure and SpO2 reading on a one-time or continuous basis.



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## TECHNICAL SPECIFICATIONS

### NIBP (NON-INVASIVE BLOOD PRESSURE)

Technique	Oscillometric measure upon inflation
Measurement Cycle	< 40 sec. typical; 0 to 300 mmHg; standard adult cuff
Automatic Measurement	1, 2, 3, 5, 10, 15, 30, 45, 60, 2-hour, 4-hour, and STAT intervals
STAT Mode	5 minutes of continuous readings
Inflation Pressure Range	Adult: 30 to 300 mmHg Pediatric: 30 to 150 mmHg Neonate: 20 to 150 mmHg
Resolution	1 mmHg
Transducer Accuracy	±2 mmHg or ±2% of reading, whichever is greater over full range
Clinical Accuracy	Complies with AAMI SP-10:2002

### PULSE OXIMETRY

Range	1% to 99%
Resolution	1%
Accuracy	70% to 99% range: ±2% 50% to 69% range: ±3% < 49%: unspecified
Method	Dual wavelength LED
Audio	Tone with each detected pulse; pitch varies with saturation

### HEART RATE (PULSE)

Range	30 to 240 bpm
Accuracy	±1 bpm or ±1% of reading, whichever is greater; unspecified for <30 or >240 bpm
Resolution	1 bpm
Pulse Volume	10 levels or Off

### ALARMS

Indication	Audible; Visual
Volume	10 levels or OFF
Silence	Yes; 2 minutes or permanent

### TRENDS

Memory	Last 250 NIBP measurements
Parameters	Systolic, Diastolic, MAP, pulse rate (records SpO <sub>2</sub> , pulse rate and SpO <sub>2</sub> saturation if oximetry is monitored)

### DISPLAY

Type	Monochrome LCD
Parameters	NIBP, SpO <sub>2</sub> , pulse rate, plethysmograph
Status	Alarm Silence; Sensor; Low Battery; External Power; Patient Size
Languages	English, Danish, Dutch, French, German, Portuguese, Spanish

### SYSTEM OUTPUTS

Nurse Call	Contact switch; 3.5mm phone jack
COM Port	Serial, RS232 compatible, Bluetooth®
Settings	External printer or CUSP

### PHYSICAL PROPERTIES

Weight	4.5 lbs. (2.0 kgs.)
Size	8.0 in (H) x 5.5 in (W) x 5.75 in (D) 20.3 cm (H) x 14 cm (W) x 14.6 cm (D)

### POWER REQUIREMENTS

Voltage	100 to 240 VAC; 50/60 Hz
Battery	1 sealed lead acid
Battery Life	8.0 hours, typical
Recharge Time	6.0 hours, typical

### ENVIRONMENTAL

Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 149°F (-20° to 65°C)
Operating Humidity	5% to 95%, noncondensing

### CLASSIFICATION

Electrical Protection	Class I Equipment
Degree of Protection	Type CF, Defibrillator-proof
Protection Against Ingress	IPX1, Drip-proof Equipment

### AVAILABLE CONFIGURATIONS

506DN	Standard
506DNB	Standard with Bluetooth®
934-10DN	Adult Finger (Clip) Reusable Sensor 10 ft.
474	Reusable Child/Small Adult Blood Pressure Cuff (18-26 cm) (Use with NIBP Hose 705, 706 or 707 only)
475	Reusable Adult Blood Pressure Cuff (25-35 cm) (Use with NIBP Hose 705, 706 or 707 only)
476	Reusable Large Arm Blood Pressure Cuff (33-47 cm) (Use with NIBP Hose 705, 706 or 707 only)
706	NIBP Hose – 10 ft. Straight (Quick Connect to Quick Connect)

[www.criticaretechnologies.com](http://www.criticaretechnologies.com)

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Criticare Technologies, Inc., warrants new equipment to be free from defects in workmanship and materials for a period of two (2) years from date of shipment under normal use and service. The following exceptions apply to this statement and the warranty period as indicated:

- Internal Batteries: one (1) year
  - O<sub>2</sub> Cells and CO<sub>2</sub> Absorbers: six (6) months
  - 940 Series Multi-Site and Y style SpO<sub>2</sub> sensors: six (6) months
- CTI's obligation under this warranty is limited to repairing or replacing, at CTI's option, any part which upon CTI's examination proves defective.

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