



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 SpO2, pulse rate and SpO2 saturation if oximetry is monitored)

DISPLAY

Type	Monochrome LCD
Parameters	NIBP, SpO2, 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

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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
 - O₂ Cells and CO₂ Absorbers: six (6) months
 - 940 Series Multi-Site and Y style SpO₂ 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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