

The Erie Veterans Affairs Medical Center currently has a need to purchase twenty-one (21) automatic vital sign machines with oxygen saturation, noninvasive blood pressure, heart rate capabilities. The equipment will be utilized in multiple designated areas within the facility, (Oncology/Hematology Clinic, Urgent Care Center and Rehabilitation/SCI Clinic) for care of the Veterans at the Erie VA Medical Center.

The Erie VA is seeking the Brand Name or Equal to CASMED 740 Select vital signs monitors with rolling stands and baskets.

Salient Features:

Non-Invasive Blood Pressure: Oscillometric measure upon inflation Measurement Time: <40 seconds typical; 0 to 300mmHg; standard adult cuff

Automatic Measurement Cycles: 1-60 minute; 2-4 hour; STAT cycle

Inflation Pressure Range: 30 to 300mmHg (Adult), 30 to 150mmHg (Pediatric), 20 to 150mmHg (Neonate)

Resolution: 1mmHg

Clinical Accuracy: SP-10:2002

Transducer Accuracy: ± 2 mmHg or $\pm 2\%$ of reading, whichever is greater, over full range

STAT mode: 5 minutes of consecutive readings

Pulse Oximetry:

Range: 1% to 99%

Resolution: 1%

Accuracy (DOX only): 70% to 99% range: $\pm 2\%$; 50% to 69% range: $\pm 3\%$; <50%: unspecified

Accuracy (OxiMax Only): 70% to 99% range: $\pm 2\%$; <70%: unspecified

Method: Dual wavelength LED

Audio: Tone with each detected pulse; pitch varies with saturation

Heart (Pulse) Rate

Range: 20 to 300bpm

Accuracy (DOX only): Greater of ± 1 bpm or $\pm 1\%$, of reading Unspecified for <30 or >240 bpm

Accuracy (OxiMax Only): Greater of ± 1 bpm or $\pm 1\%$, of reading, Unspecified for <30 or >240 bpm

Update Time: Every second

Resolution: 1bpm

Pulse Volume: 10 levels or Off

Alarms

Indication: Audible; Visual

Volume: 10 levels or Off

Silence: Yes; 2 minutes or permanent

Trend Memory

Memory: Last 24 hours

Parameters: SpO₂, Heart Rate, NIBP

Report Types: Single Patient or Multi-patient; Selectable formats

Displays

Type: LED

Parameters: NIBP, SpO2; pulse rate; pulse bar

Status: Alarm Silence; Sensor; Low Battery; External

Power; Patient Size

Text: Alphanumeric LCD

Languages: English, French, German, Italian, Portuguese, Spanish, Dutch, Danish

System Output

Com Port: Serial, RS 232-compatible

Mechanical

Weight: Base unit with battery: 6.95 lb; 3.15kg

Size: Base unit: 8.7" (H) x 7.1" (W) x 6.5" (D);

22cm (H) x 18cm (W) x 16.5cm (D)

Power Requirements

Voltage: 100 to 240 VAC, 50 to 60 Hz

Battery: Sealed lead acid; Life: 8 hours

Rechargeable: 6 hours

Environmental

Operating Temperature: 32° to 113° F; 0° to 45° C

Storage Temperature: 23° to 122° F; -5° to 50° C

Operating Humidity: 15% to 90%, non-condensing

Classification

Type of Protection: Class I equipment

Degree of Protection: Type CF defibrillator-proof equipment

Protection against Ingress: IPX1 rating, Drip-Proof Equipment

CASMED Lite Duty Roll Stand w/ basket or equal

21"/53.3 cm Base

3"/7.6 cm Casters

40"/101.6 cm Post

6"/15.2 cm Basket with Cord Hooks/Cleats

Handle

3"/7.6 cm Slide-in Mounting Plate