

## Technical Specifications<sup>1</sup>

### CONFIGURATIONS

Function	520	530	560
SpO <sub>2</sub>			
Temp			
Resp			
Printer	■	■	
RS-232	■		
Pole Mount	■	■	
Hand-held			

■ Optional

### Options:

- Various sizes of reusable and disposable probes
- Carrying case/tote bag

### Standard features:

- Self-calibrating
- Easy-to-read LED displays including time and date
- Pulse amplitude bar graph, LED signal indicators
- Pulse tone adjusts with SpO<sub>2</sub> value
- Artifact rejection software compensates for motion, noise and vibration
- Programmable alarm limits with a full range of audible and visual alarms
- Memory/recall of up to 250 patient readings
- Neonate to adult usage
- AC/DC powered
- Lifetime software updates
- Warranty: 1 year parts and labor.
- Made in U.S.A.

### MECHANICAL DESCRIPTION

#### VITALMAX 520

**Size** 3.25" H x 6.25" W x 10.25"D  
(8.26 cm x 15.88 cm x 26.04 cm)  
**Weight** 7 lbs 5.4 oz (3.33 kg)

#### VITALMAX 530

**Size** 2.25" H x 5.5" W x 8.25"D  
(5.72 cm x 13.97 cm x 20.96 cm)  
**Weight** 3 lbs 11.7 oz (1.67 kg)

#### VITALMAX 560

**Size** 6.6" H x 3.1" W x 1.4"D  
(16.77 cm x 7.87 cm x 3.55 cm)  
**Weight** 1 lbs 3.2 oz (.53 kg)

### POWER REQUIREMENTS

#### VITALMAX 520

**Operation** AC/DC

**Internal battery** 6 V 7.0 AH sealed lead-acid

**Battery operating time** 8-10 hours

**AC Adapter** Domestic: 110-120V / 50-60Hz.

International: 220-240V / 50-60 Hz. (8-12V / 2.4-

3.0A output)

**Fuses** 3.0A, 250V, Fast Blow

#### VITALMAX 530

**Operation** AC/DC

**Internal battery** 6 V 3.3 AH sealed lead-acid

**Battery operating time** 2 - 2.5 hours

**Battery charging time** 8-10 hours

**AC voltage input** 100-250 V/50-60 Hz via

Universal Switching Power Supply, UL, CSA, GS

9.0V / 1.5 A output

**Fuses** 3.0A, 250V, Fast Blow

#### VITALMAX 560

**Operation** AC/DC

**Internal battery** 6 V 500 mAH NiCad

**Battery operating time** 2-2.5 hours

**Battery charging time** 10-15 hours

**AC voltage input** 100-250 V/50-60 Hz via

Universal Switching Power Supply, UL, CSA, GS

9.0V / 1.5 A output

### PULSE OXIMETRY (SpO<sub>2</sub>)

**Saturation range** 0-100%, adult/pediatric/  
neonate

**Saturation averaging** 8 beat average

**Saturation accuracy** ± 2% (70-100%), ±3%

(50-69%), (0-49% unspecified)

**Saturation alarm limits** Upper: 0-100%

Lower: 0-99%

**Pulse rate range** 30 - 254

**Pulse rate averaging** 8 second average

**Pulse rate accuracy** ± 2% @ 30 - 100 bpm

**Pulse alarm limits** Upper: 0-250 bpm Lower:

0-249 bpm

**Pulse tone** Pitch adjusts with SpO<sub>2</sub> value;

Volume adjustable on some models

**Pulse rate display** Digital, pulse amplitude

**Sensor types Available** Finger, Universal "Y",

ear lobe clip, disposable and reusable wrap

probes

### DISPLAYS

**Parameters/Alarms/Limits** High intensity red  
LED 0.4"

**Time and date** High intensity red LED, 0.3"

**Pulse strength** 10 segment logarithmic red

LED bar graph

**Signal indicators** Yellow and green signal LED

### PRINTER

**Type** Add-on 27-column thermal printer

**Output** ASCII parallel

**Printing** width 46mm

**Printing speed** Approximately 0.8 lines per sec.

**Paper requirements** Thermal printer paper;

7m (L) x 58mm (W); 25mm roll diameter

### ENVIRONMENT SPECIFICATIONS

**Temperature** Operating: 66°F - 86°F (19°C -

30°C) Storage: 40°F - 110°F (4.4°C - 43.3°C)

**Relative humidity** Operating: 20-80% (non-

condensing) Storage: 10-90% (non-condensing)

NOTE 1: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. FOR A COMPLETE LIST OF CURRENT SPECIFICATIONS, CALL OR WRITE PACE TECH, INC. CUSTOMER SERVICE DEPARTMENT AT THE ADDRESS SHOWN BELOW.



An optional carrying case makes it ideal for use in EMS environments.



The optional pole mount assembly is suitable for use in EIRs and ORs.



An optional accessory cart is available for convenient portability.

Contact your  
nearest dealer:

**PaceTech**

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