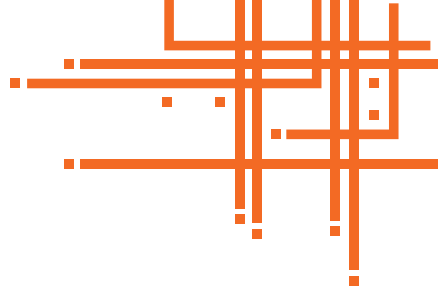




SUNTECH



**Modular Vital Signs**  
with BP, Temperature and SpO<sub>2</sub>

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**CT40**

# SunTech CT40

Utilizing SunTech's market-leading, clinical-grade Advantage™ BP technology, the SunTech CT40 is the only vital signs device of its kind. Designed to be easily incorporated into any clinical workflow, the modular design of this device allows you to add or change pulse oximetry and thermometry modules while in the field, based on the needs of your patients.

**Reliability:** Manual SphygMode™ for real-time verification of BP readings without removing the cuff

**Accuracy:** Customizable BP averaging protocol to ensure accurate, consistent readings

**Connectivity:** Transfer of data using IHE protocols with network connection through built-in ethernet or optional Wi-Fi

**Flexibility:** Modular design for addition of optional temperature and SpO<sub>2</sub> modules

**Simplicity:** Intuitive user interface with LCD display

## Standard Features

- Clinical-grade Advantage™ BP technology
- Customizable BP averaging (SPRINT recommended)
- Manual SphygMode™ for real-time BP verification
- HL7 messaging for data transfer
- Built-in memory - up to 99 charting sessions
- LCD display with simple design for ease of use
- LAN/Ethernet & 2 USB ports

## Options & Accessories

- Covidien Filac® 3000 Thermometry
- Masimo SET® SpO<sub>2</sub> (preferred)
- ChipOx Nellcor®-compatible SpO<sub>2</sub>
- Barcode Scanner
- Mobile stand
- Wi-Fi

## Limited Warranty

SunTech Medical, Inc. provides to the original purchaser the following limited warranty from date of invoice:

Main unit, SpO <sub>2</sub> modules, temp modules:	3 years
OPD Blood Pressure Cuffs:	2 years
Accessories (SpO <sub>2</sub> sensors, temp probes, BP hose, etc):	90 days

## CT40 Base Unit Includes:

- SunTech CT40 Device with BP
- AC Power Cord
- 10' BP Patient Hose
- Battery
- Quick Start Guide
- Adult Plus OPD Cuff
- Large Adult Plus OPD Cuff
- CT40 User Manual

## Blood Pressure Specifications

Range - Pressure:	Systolic:	40-260 mmHg (adult), 40-230 mmHg (pediatric)
	Diastolic:	20-200 mmHg (adult), 20-160 mmHg (pediatric)

Range - Heart Rate: 30-220 BPM (beats per minute)

Accuracy (BP): Meets or exceeds ANSI/AAMI/ISO 81060-2:2018 standard for non-invasive accuracy ( $\pm 5$ mmHg mean error with 8mmHg standard deviation).



## SpO<sub>2</sub> Specifications

Function	Masimo M-LNCS DCI Reusable Sensor	ChipOx
Saturation Normal (No Motion)	70-100% Arms ± 2%	70-100% Arms ± 2%
Saturation (Motion)	70-100% Arms ± 3%	N/A
Low Perfusion	SpO <sub>2</sub> ± 2%	N/A
Pulse Heart Rate	± 3% BPM	20-300 BPM: ± 3 BPM
Pulse Heart Rate (Motion)	± 3% BPM	20-300 BPM: ± 3 BPM

## Temperature Specifications

Function	Covidien Electronic Thermometer
Temperature Accuracy	Quick Mode (Oral): ± 0.3°C
	Std. Mode (Aux/Rectal): ± 0.1°C
	Direct Mode: ± 0.1°C
Response Time	Quick mode 4 sec
	Aux/Rectal 10-15 sec
	Direct Mode 60 sec
Resolution	0.1°C

## General Specifications

- Conditions for Use:**<sup>1</sup> Operating: 10°C (50°F) to 40°C (104°F)  
15 – 90% RH non-condensing  
700 kPa - 1060 kPa
- Storage:**<sup>2</sup> -20°C (-4°F) to 55°C (149°F)  
15 – 90% RH non-condensing  
500 kPa - 1060 kPa
- Power:** Internal power supply  
Input: 100-240 VAC @ 1.5A max, 50-60 Hz  
Output: +9VDC @ 5A
- Battery:** IEC 320 type input connector  
Type: 7.2v, 6600mAh Internal Lithium-Ion Battery  
Run Time (Full Charge): ~20 hrs\* / 200 BP Cycles  
Charge Time: ~6 hrs @ 23°C ± 2°C  
*\*Unit with BP, Temp, SpO<sub>2</sub>, Wi-Fi, barcode scanner*
- Calibration:** The accuracy of cuff -pressure transducers/indicators should be verified bi-annually.
- Safety Systems:** Independent hardware over-pressure circuit and redundant software overpressure algorithm to limit cuff pressure to less than 300 mmHg (+20/-10mmHg).  
Independent hardware timing circuit and redundant software timer algorithm to limit the duration of a blood pressure cycle to less than 180 seconds.
- Dimensions:** Size (without thermometer option): 8" H x 6.75" W x 5.2" D or 215mm H x 190mm W x 140mm D
- Standards:** ANSI/AAMI ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, EN 60601-1:2006/A1:2013, IEC 60601-1-2:2014 EMC, IEC 80601-2-30:2018, IEC 80601-1-61:2017, ISO 15223-1:2021, ISO 10993-1:2018, ISO 10993-5, 2009, EN ISO 10993-10, 2010, ISO 81060-2:2018, ISO 80601-2-56:2017, EN 50419:2022, ISO 14971:2019, CSA C22.2 No. 60601-1, EN ISO 81060-1: 2012, IEC 60601-1-6: 2013
- Classifications:** Equipment Classification: Class IIa per MDD, Class I (Electrical Shock), Continuous mode of operation, CE
- Ingress of liquid:** Ingress Protection: IPX1: This device is protected against harmful effects of dripping water per IEC 60529.

<sup>1</sup> Operating the monitor in an environment at maximum temperature can produce temperatures exceeding 41°C (41.6°C highest recorded) on a patient-applied part. It is up to the operator to determine if this temperature is too high based upon the condition of the patient and, if so, to ensure the ambient temperature of the environment is 38°C or below.

<sup>2</sup> Performance can be affected if used or stored outside the specified temperature, humidity, or altitude listed in the ranges above.



Masimo® and SET® are registered trademarks of Masimo Corporation. Covidien® and FILAC® are registered trademarks of Covidien AG Corporation. Nellcor® is a registered trademark of Covidien LP Limited Partnership.

\*not available in North America

# SUNTECH

With more than 30 years dedicated to developing our world-class blood pressure technology, we are confident that we don't miss a beat - so you won't either. It's our legacy. It's SunTech Medical. It's The Difference In Clinical Grade.



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## SunTech CT40 Part Numbers

### Modules

99-0134-00	SunTech CT40 Base unit with BP (no power cord)
99-0134-01	SunTech CT40 Base unit with BP with AC Power Cord (Americas)
99-0134-02	SunTech CT40 Base unit with BP with AC Power Cord (Europe)
99-0134-03	SunTech CT40 Base unit with BP with AC Power Cord (UK)
98-0411-00	Chipox Nellcor® Compatible SpO <sub>2</sub> Module
98-0411-01	Masimo SET® SpO <sub>2</sub> Module (preferred)
98-0411-02	Covidien FILAC® 3000 Thermometry Module

### Systems Reference Configuration

99-0134-0X	BP Only
99-0134-0X + 98-0411-01	BP, Masimo® SpO <sub>2</sub>
99-0134-0X + 98-0411-00	BP, Nellcor® comp. SpO <sub>2</sub>
99-0134-0X + 98-0411-02	BP, FILAC® Temp
99-0134-0X + 98-0411-02 + 98-0411-01	BP, FILAC® Temp, Masimo® SpO <sub>2</sub>
98-0134-0X + 98-0411-02 + 98-0411-00	BP, FILAC® Temp, Nellcor® comp. SpO <sub>2</sub>

### SpO<sub>2</sub>

#### Masimo SET® SpO<sub>2</sub> Module Accessories

Masimo® M-LNCS DCI Adult SpO<sub>2</sub> Reusable Sensor, 2501\*

Masimo® M-LNCS 10'/3.0m Patient Cable, 2525\*

*\*Contact Masimo® for replacement orders*

#### ChipOx Nellcor Compatible SpO<sub>2</sub> Module

52-0010-00 Reusable Adult SpO<sub>2</sub> Finger Sensor, ChipOx

### Temperature

#### Covidien FILAC 3000 Temperature Module Accessories

52-0009-00 F3000 Oral/Axillary Temp Probe, 9'

45-0006-00 F3000 Oral/Axillary Isolation Chamber, Blue

52-0009-01 F3000 Rectal Temp Probe, 9'

45-0006-01 F3000 Rectal Isolation Chamber, Red

98-0131-00 F3000 Disposable Temp Probe Covers (Qty 500 - 25 boxes of 20)

98-0130-00 F3000 Disposable Temp Probe Covers (Qty 5000)

52-0011-00 F3000 Calibration Plug



## SunTech CT40 Part Numbers (continued)

### Blood Pressure Cuffs

#### *Blood Pressure Cuffs (Each)*

- 98-0599-41 OPD Child (12-19cm) BP Cuff, Bayonet
- 98-0599-43 OPD Small Adult (17-25cm) BP Cuff, Bayonet
- 98-0599-45 OPD Adult (23-33cm) BP Cuff, Bayonet
- 98-0599-4A OPD Adult Plus (28-40cm) BP Cuff, Bayonet
- 98-0599-47 OPD Large Adult (31-40cm) BP Cuff, Bayonet
- 98-0599-4C OPD Large Adult Plus (40-55cm) BP Cuff, Bayonet

#### *Blood Pressure Cuffs (Box of 5)*

- 98-0600-41 OPD Child (12-19cm) BP Cuff, Bayonet
- 98-0600-43 OPD Small Adult (17-25cm) BP Cuff, Bayonet
- 98-0600-45 OPD Adult (23-33cm) BP Cuff, Bayonet
- 98-0600-4A OPD Adult Plus (28-40cm) BP Cuff, Bayonet
- 98-0600-47 OPD Large Adult (31-40cm) BP Cuff, Bayonet
- 98-0600-4C OPD Large Adult Plus (40-55cm) BP Cuff, Bayonet

### Accessories

- 46-0040-00 Deluxe Mobile Stand
- 98-0257-00 SunTech CT40 Barcode Scanner (w/USB) with Scanner Mount
- 45-0005-00 SunTech CT40/50 WiFi Dual Band USB Dongle
- 91-0028-16 10'/3.0m Patient BP Hose, Bayonet to Bayonet
- 91-0003-00 AC Power Cord (Americas)
- 91-0003-05 AC Power Cord (Europe)
- 91-0003-06 AC Power Cord (UK)
- 91-0100-02 Mini-USB to USB Cable
- 98-0900-00 SunTech CT40 Rechargeable Lithium Ion Battery