

Patient Vital Signs Monitoring



The **740 SELECT™** is an advanced point-of-care patient monitoring solution featuring a bright full-color display screen, intuitive user interface and one touch access to alarms, controls, settings, and patient data. Ergonomic design to address safety, ease of use and workflow efficiency.

740 SELECT

One Monitor Many Solutions

Flexible and rugged design for use in a wide variety of clinical and patient care environments

SELECT Parameters: Models available with: NIBP, SpO2, Pulse Rate, Predictive Temperature

SELECT Patient: Neonatal, pediatric or adult

SELECT Alarms and Settings to optimize monitor for triage, spot-checking or continuous monitoring

SELECT Workflow features designed to help manage patient care and make capturing vital signs quick and easy



Enhanced Fully Featured Monitor and Display

- Touch screen for controlling and configuring monitor
- 7" Color TFT-LCD display, Wide viewing angle, Antiglare coating
- Touch screen resolution: WVGA, 800 x 480 pixels
- One touch access to parameter alarms, settings and setup menu
- Large easy to read color coded numerics
- Dedicated parameter cells
- Fixed touch keys for quick access to main screen functions
- Illuminated front panel On/Off button
- Power LED indicates DC Power connection
- Large dedicated message area
- Dedicated area for display of Patient ID
- Battery charge status icon
- Date and Time display
- Programmable audible and visual alarms for NIBP, SpO2, Temp and Pulse Rate

740 SELECT

Advanced Monitoring Features, Superior Performance and Point-of-Care Functionality

- Non-invasive blood pressure measurement
 - CASMED proprietary **MAXNIBP**[®] algorithm – designed to deliver fast, accurate and reliable readings in challenging environments
 - **MAXIQ**[™] Signal Quality Status Indicator - detects and informs the clinician of the degree of motion artifact present during an NIBP measurement
 - Manual, Auto(Interval) or Stat NIBP measurement
 - Adaptive NIBP measurement
 - Last NIBP measurement time displayed
- Stand-By Mode for enhanced bedside patient workflow and alarms management
- Snapshot feature for capturing and storing individual patient measurement records during patient triage or spot-checking (date/time stamp, IDN)
 - Clinician review and confirm save snapshot to ensure accuracy of patient measured values
- Automatic capture of patient Trend data (date/time stamp, IDN, stores 1200 records)
- Color coded Saved Snapshot and Trends allowing easier review of clinical data
 - Scroll feature for review of Saved Snapshots and Trends
- Alarms and Audio Controls
 - Alarm Silence and Alarm Suspend (user customized duration)
 - Hi/Low limits for NIBP, SpO2, Pulse Rate and Temperature
 - Current Alarm limits displayed adjacent to measured parameter
 - Auto-Set Hi/Lo Alarm Limits feature (rules based)
 - Individual parameter On/Off alarm setting to optimize patient care and workflow needs
 - Alarm volume and pulse tone volume adjustment selection
- Screen password protection (screen lock) to enhanced patient safety
- Night mode (auto-dim display, auto brighten on alarm or with touch of screen)
- Standard with all SpO2 models:
 - Plethysmograph
 - SpO2 signal strength indicator bar
 - Heart beat indicator when pleth waveform is not displayed
 - SpO2 Alarm Pause for management of SpO2 during patient care
- Pulse rate measurement associated by color to source parameter
- Rechargeable Li-ion Battery
 - Minimum 8 hours continuous operation*
 - Automatic switch to battery operation with loss of AC power
 - For portability and mobile operation
- EMR connectivity via Serial output using third party device integrators
- Ability to enter patient IDN manually or by optional bar code scanner
- Predictive Temperature
 - Quick Mode: less than 4 seconds, Standard Mode: less than 6 seconds
 - Oral, axillary or rectal temperature

**Delivers NIBP and temperature measurements every 15 minutes, continuous SpO2 measurement*

Size, Weight, Portability, and Mounting Solutions

- Height x Width x Depth (with temperature option) : 7.63 x 11 x 5.75 inches (19.37 x 27.94 x 14.61 cm)
- Portable & lightweight design: 4.65 lbs. /2.1 kg (with battery)
- Rugged & Durable Plastic Housing: Engineered to withstand shock up to 30g
- Sturdy functional handle for portability and ease of carrying
- Flexible mounting solutions Include: 75mm VESA adapter plate, roll stand (with 3 locking casters, wire basket with cable hooks, power supply holster and power cable management), IV pole, bedrail, wall, table top, swivel mount for EMS vehicles

740 SELECT

Optional Thermal Printer

- *The 740 SELECT thermal printer is powered directly from monitor serial port (no need for external AC or battery power)*
- *Print on alarm setting (user configurable time before and after alarm occurrence)*
- *Automatic printing of patient vital signs when Save Snapshot selected*
- *Printer mounting solutions for: roll stand, IV pole, wall channel*

Bio-Medical Features

- *Monitor software updates are quick and easy via USB port*
- *Field replaceable temperature module*
- *Monitor profile transfer via USB (monitor to monitor – defaults, alarms, settings)*
- *Password protected Alarms, Service and Administration screens*
- *Rechargeable Li-ion Battery Pack (10.8V, 7800mAh) with easy access for bio-med replacement*
- *Comprehensive error messaging for easy troubleshooting*
- *Programmable monitor location identifier*
- *External 15v power supply*
- *Passive cooling, no fans*
- *Alarm output to nurse call systems*
- *Serial port for EMR connectivity*
- *Monitor ID entry from bio-med screen*
- *Setup System screen for configuring defaults and port designations:*
 - *Printer or Communications port*
 - *Units of measure for: Height (inches/cm), Weight (lbs. or cm), Temperature (°F or °C)*
 - *Save user default setup*
- *Future upgrade path for Masimo Rainbow® parameters, External EtCO2, Wireless and ECG*

**The essence of the 740 SELECT superior performance is world class technology.
Capturing patient vital signs is fast, easy and reliable**

CASMED MAXNIBP® Non-Invasive Blood Pressure

(Available on: All models)

A true evaluation of non-invasive blood pressure technology is the ability to obtain accurate and reliable measurements in the presence of motion. Demanding clinical environments (i.e., patient and vehicle motion) severely test this ability.



**Motion Artifact eXtraction Technology
Delivers Performance**

Measurement Accuracy
Measurement Time
Measurement Success

**MAXIQ ●●● Signal Quality Status Indicator
Provides immediate feedback to the clinician**

Visual indicators provide an assessment of NIBP signal quality and level of motion artifact present during the NIBP measurement

CASMED's proprietary MAXNIBP algorithm is proven world class technology providing successful blood pressure measurements in difficult conditions. This ability benefits both the care provider and patient allowing for quick accurate assessment, leading to earlier intervention and treatment.

Masimo SET or Covidien Pulse Oximetry

(Available on models: -2 and -3)

The 740 SELECT provides the flexibility to choose from Masimo SET or Covidien OxiMax Pulse Oximetry Algorithms – Sensor and Signal processing

Masimo SET®... measure-through motion and low perfusion pulse oximetry measurements of SpO2, pulse rate and perfusion index.

Covidien OxiMax™... technology for accurate, reliable readings even during low perfusion and other forms of signal interference.

Covidien FILAC™ 3000 Thermometry

(Available on model: -3)

Advanced technology providing the industry's most accurate and fastest readings.

Water Bath Accuracy (35.5 to 42 °C)

Direct Mode: +/-0.1°C --- Standard Prediction Mode+/-0.1°C ---**

Quick Prediction Mode (Oral Only)+/-0.3°C**

** Greater than 95% of the prediction mode readings will be within the specified accuracy

Average prediction times after insertion into measurement site

Quick Mode: less than 4 seconds --- Standard Mode: less than 6 seconds

The 740 SELECT is a flexible platform ideally suited for managing patient vital signs in a variety of clinical and acuity settings.

Medical/surgical care floors, PACU, Triage, Emergency Department, Surgery Centers, Patient Transport, PCA Pumps, Office Based Procedures, Dental Offices, Urgent Care Centers, Telemedicine Work Carts, EMS and Ambulatory Care

Available Models and Parameter Descriptions

| Model and Part Number | Parameter Options | World Class Monitoring Solutions |
|--------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 740 SELECT -1 01-02-1000 | Blood Pressure | CASMED MAXNIBP® Non-Invasive Blood Pressure |
| 740 SELECT -2 01-02-1001 (MS) 01-02-1002 (NL) | Blood Pressure Pulse Oximetry | |
| 740 SELECT -3 01-02-1003 (MS) 01-02-1004 (NL) | Blood Pressure Pulse Oximetry Predictive Temperature | Optional SpO2 with choice of: Masimo SET® (MS) or Nellcor OxiMax® (NL) Optional Predictive Temperature: Covidien FILAC™ 3000 |



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FOR WHAT'S VITAL®

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Rainbow SET® is a registered trademark of Masimo, Inc.

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STANDARDS

Unit complies with the following requirements:

- IEC 60601-1
- AAMI ES60601-1
- ANSI/AAMI/ISO 81060-2
- CSA C22.2#60601-1
- ISO 9919
- IEC 60601-1-2
- ISO 80601-2-30
- ISO 80601-2-56
- ISO 80601-2-61
- IEC 60068-2-27
- IEC 60068-2-31
- IEC 60068-2-64



ISO 13485
Certificate Number FM 72259



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