

## Infinity® Masimo SET® SpO<sub>2</sub> SmartPod®

The Infinity® Masimo SET® SpO<sub>2</sub> SmartPod® brings the advantages of Masimo's gold standard pulse oximetry technology and sensors to your Infinity patient monitors. Masimo Signal Extraction Technology (SET) read-through motion and low perfusion pulse oximetry is accurate during low perfusion and most types of patient movement – including shivering, combativeness and seizures. As a result, it can help reduce false alarms and detect true alarms in your adult, pediatric and neonatal patients.

### Features

- Detects true events during low perfusion and patient movement
- Helps reduce false alarms
- Supports adult, pediatric and neonatal patients

### Measuring Capabilities

Displayed parameters	Saturation (fraction of oxyhemoglobin to functional hemoglobin) and pulse (rate and curve)
Measuring method	Absorption spectrophotometry
Measuring range	SpO <sub>2</sub> : 1 to 100% Pulse rate: 25 to 240 bpm Perfusion: 0.02 to 20%



TECHNICAL DATA

## Measuring Accuracy

Saturation (%SpO <sub>2</sub> ) during no motion conditions <sup>1</sup>	0% to 69% not specified 70% to 100%: Adults, pediatrics: ±2 digits neonates: ±3 digits
Saturation (%SpO <sub>2</sub> ) during motion conditions <sup>2,3</sup>	0% to 69% not specified 70% to 100%: Adults, pediatrics <sup>2</sup> : ±3 digits neonates <sup>3</sup> : ±3 digits
Pulse rate (bpm) during no motion conditions <sup>1</sup>	Adults, pediatrics, neonates: 25 - 240 bpm ±3 digits
Pulse rate (bpm) during motion conditions <sup>2,3</sup>	Adults, pediatrics, neonates: 25 - 240 bpm ±5 digits
Low perfusion performance <sup>4</sup>	Pulse amplitude: >0.02% Saturation (%SpO <sub>2</sub> ): ±2 digits and % transmission >5% Pulse rate: ±3 digits

## Product Specifications

Monitor connector	X8 connection to Infinity Delta, Delta XL, Kappa, Gamma X XL, Vista XL and Kappa XLT USB connection to Infinity Gamma, Gamma XL or Vista
Connectors	Intermediate cable for sensor connection
Power source	Powered from monitor

## Physical Specifications

Size (H x W x D)	39 x 58 x 135 mm (1.5 x 2.3 x 5.3 in.)
Weight	0.150 kg (0.33 lbs.)

<sup>1</sup>The Infinity Masimo SET SpO<sub>2</sub> SmartPod pulse oximeter with LNOP-Adt sensors has been validated for no motion accuracy in human blood studies on health adult volunteers in induced hypoxia studies in the range of 70-100% SpO<sub>2</sub> against a laboratory co-oximeter and ECG monitor. This variation equals plus or minus one standard deviation.

<sup>2</sup>The Masimo SET pod with LNOP-Adt sensors has been validated for motion accuracy in human blood studies on health adult volunteers in induced hypoxia studies while performing rubbing and tapping motions at 2 to 4 Hz at an amplitude of 1 to 2 cm and a non-repetitive motion between 1 to 5 Hz at an amplitude of 2 to 3 cm in induced hypoxia studies in the range of 70-100% SpO<sub>2</sub> against a laboratory co-oximeter and ECG monitor. This variation equals plus or minus one standard deviation.

<sup>3</sup>The Masimo SET pod with LNOP-Neo and Neo Pt sensors has been validated for motion and no motion accuracy in human blood studies on health adult volunteers in induced hypoxia studies while performing rubbing and tapping motions at 2 to 4 Hz at an amplitude of 1 to 2 cm and a non-repetitive motion between 1 to 5 Hz at an amplitude of 2 to 3 cm in induced hypoxia studies in the range of 70-100% SpO<sub>2</sub> against a laboratory co-oximeter and ECG monitor. 1% has been added to the results to account for the effects of fetal hemoglobin.

<sup>4</sup>The Masimo SET pod has been validated for low perfusion accuracy in bench top testing against a Biotek Index 2 simulator and Masimo's simulator with signal strengths of greater than 0.02% and a % transmission of greater than 5% for saturation ranging from 70 to 100%. This variation equals plus or minus one standard deviation.

## Environmental Requirements

Temperature range	Operating: 5° C to 45° C Storage: -20° C to 60° C
Relative humidity	Operating: 10% to 95%, non-condensing Storage: 10% to 95%, with packaging
Atmospheric pressure	Operating: 485 to 795 mmHg (65 to 106 kPa) Storage: 375 to 795 mmHg (50 to 106 kPa)

## Ordering Information

Infinity Masimo SET SpO <sub>2</sub> SmartPod Kit for Delta/Delta XL/Gamma X XL/Vista XL/ Siemens SC 7000/SC 9000XL	MS16901
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Infinity Masimo SET SpO <sub>2</sub> SmartPod Kit for Kappa/Siemens SC8000	MS16902
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### Note:

- The Siemens SC 7000/SC 8000/SC 9000XL monitors with a software level below VF4 and the following hardware revisions require a memory expansion board: Siemens SC 7000 below 14, SC 8000 below 17, SC 9000XL below 6.

Memory expansion board for Siemens SC 7000/SC 8000/SC 9000XL	7494557
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Infinity Masimo SET SpO <sub>2</sub> SmartPod Kit for Kappa XLT	MS16903
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Infinity Masimo SET SpO <sub>2</sub> SmartPod Kit for Gamma/Gamma XL/Vista/Siemens SC 6802XL	MS16900
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### Note:

- The SC 6802XL monitor with a software level below VF4 or hardware revision below 6D will not support the Infinity Masimo SET SpO<sub>2</sub> SmartPod.
- The Infinity Masimo SET SpO<sub>2</sub> SmartPod can be used with all Infinity monitors with software version VF6.1 or higher. Contact your local sales representative for details.

## Adhesive and Reusable Sensors

LNOP Adt, 20/box, Adult Adhesive Sensors	7496990
LNOP Pdt, 20/box, Pediatric Adhesive Sensors	7496982
LNOP Neo, 20/box, Neonatal Adhesive Sensors	7496974
LNOP NeoPt, 20/box, Neonatal Sensitive Skin	7496966
LNOP DCI, 1/box, Adult Reusable Sensor	7270312
LNOP DCIP, 1/box, Pediatric Reusable Sensor	7270304
LNOP YI, 1/box, Multisite Reusable Sensor	7497014

Note: A variety of Masimo SET sensors adhesive or reusable are available for adult, pediatric or neonatal patients. Please contact your local sales representative for information.

## Standards

IEC60601-1:2001, EN60601 and EN10993. The Infinity Masimo SET SpO<sub>2</sub> SmartPod complies with the Medical Device Directive (MDD) 93/42/EEC and bears the CE mark.

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The quality management system at  
Draeger Medical Systems, Inc. is  
certified according to ISO 13485,  
ISO 9001 and Annex II of Directive  
93/42/EEC (Medical devices).

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