

# Infinity® MultiMed® 12 Pod

The Infinity® MultiMed® 12 pod augments the cardiology monitoring capabilities of Infinity patient monitors with diagnostic-quality, 12-lead ECG data. Using an ergonomic Dräger Medical design, the MultiMed 12 captures patient ECG information digitally and makes it available to Infinity monitors and the Infinity Central Station.



## FEATURES

- Reduces complexity via accessories that are compatible with other MultiMed pods
- Includes lead diagram for accurate Rest ECG reports on demand

## TECHNICAL DATA

### PRODUCT SPECIFICATIONS

#### Physical Specifications

Size (H × W × D)	26 × 132 × 140 mm (1.02 × 5.02 × 5.51 in)
Weight	350 g (12 oz)
Compatibility	Infinity Delta/Delta XL/Kappa/Kappa XLT
Communication	3 m pod comm cable, included with each pod

#### Environmental Requirements

Humidity	
Operating	20% to 90%, non-condensing
Storage	10% to 95% with packaging

#### Barometric Pressure Range

Operating	525 to 795 mmHg
Storage	375 to 795 mmHg

#### Temperature Range

Operating	10° C to 40° C
Storage	-20° C to 50° C



MT-8946-2006

**Infinity MultiMed 12 Pod**  
Continuously monitors 12 leads of ECG and generates diagnostic reports.

## CONTINUING TECHNICAL DATA

### ECG Monitoring

(specifications below refer to processing in the monitor)

Patient categories	Adult and pediatric
Available leads	I, II, III, aVR, aVF, aVL, V1 to V6
Lead labeling on pod	IEC1 and IEC2 color coding Sampling 2000s/s, 500 s/s for diagnostic ECG, 250 s/s for monitoring
Monitoring frequency ranges	Filter = Monitor: 0.5 to 40 Hz Filter = ESU: 0.5 to 16 Hz Filter = Off: 0.05 to 40 Hz
Diagnostic ECG bandwidth	0.05 to 150 Hz
Digital notch filter	50 Hz, 60 Hz
Heart rate detection range	15 to 300 bpm
Accuracy	$\pm 2$ bpm or $\pm 1\%$ (whichever is greater)
QRS detection	0.5 to 5.0 mV amplitude 70 to 120 ms
Arrhythmia detection	ACE <sup>®</sup> algorithm
ST segment analysis	Requires 12-lead ST (ARIES) option
Input impedence	>10M $\Omega$
Lead-off alarm	Each lead, at Infinity patient monitor
Input signal range	$\pm 0.5$ V peak
Pacemaker detection	Leads I, II or III $\pm 2$ to 700 mV amplitude (ap) 0.2 to 2.0 ms width (dp) 0.1 dp 100 ms rise/fall time (min) 0.025 ap 2 mV overshoot (min) 4 to 100 ms recharge time constant
Degree of protection against electrical shock	Type CF
Defibrillation protection	IEC 60601-2-27

### Diagnostic ECG

Diagnostic program	Glasgow Interpretive ECG
Interpretation base	Age, gender, race, medication, clinical classification
Report formats	13 different reports formats available
Report languages	English, French, German, Italian, Portuguese, Spanish, Swedish
Export	Infinity CentralStation can be configured to automatically export 12-lead reports to Infinity MegaCare <sup>®</sup>

### Pulse Oximetry Measuring\*

SpO <sub>2</sub> technology	Dräger's OxiSure <sup>®</sup> algorithm
Display parameters	Saturation (fraction of oxyhemoglobin to functional hemoglobin) and pulse (rate and curve)
Measuring method	Transmission-spectrophotometry
Measuring range	1 to 100%
Pulse	30 to 250 bpm
Normal mode (default) SpO <sub>2</sub>	90% of change within 30 seconds, at 60 beats/min
Pulse	$\pm 3$ bpm or $\pm 3\%$ (whichever is greater)
Resolution SpO <sub>2</sub>	1%
Alarms	User-selectable upper and lower limits for SpO <sub>2</sub> and pulse rate
Accessories	Dräger Medical-approved Masimo <sup>®</sup> or Nellcor <sup>®</sup> SpO <sub>2</sub> , sensors

\* Only available when using Dräger's OxiSure algorithm for monitoring SpO<sub>2</sub>.

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**Measuring Accuracy with Masimo Sensors**


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Measuring Accuracy, Adult Mode <sup>1</sup>	SpO <sub>2</sub> 0% to 69%, not specified, 70% to 100%, sensor-specific as follows: LNOP/LNCS-ADT, LNOP/LNCS-PDT, LNOP/LNCS-NEO, LNOP/LNCS-NEO PT, LNOP-Y1 ± 2, LNOP/LNCS-DCI, ± LNOP/LNCS-DCIP, NR125 ± 2, EAR ± 3.5
Pulse rate	± 3 beats/min

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**Measuring Accuracy with Nellcor Sensors**


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Measuring Accuracy, Adult Mode <sup>1</sup>	SpO <sub>2</sub> 0% to 69%, not specified. 70% to 100%, sensor-specific as follows: DS100A, Oxiband OXI-A/N, OXI-P/I, D-YS ± 3, Oxiciq® A/P/I/N ± 2.5, RS-10 ± 3.5, 80% to 100%, sensor specific as follows: R-15 ± 3.5
Pulse rate	± 3 beats/min

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**Standards**


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IEC 60601-1 and applicable particular and collateral standards, IEC 60601-1-2, Electromagnetic compatibility CISPR 11, Class B. The MultiMed 12 Pod complies with the Medical Devices Directive (MDD) 93/42 EEC and bears the CE mark. Printed ST and Rest ECG reports conform to IEC 60601-2-51, IEC 60601-2-25 and ANSI/AAMI EC11. Isolated patient connection, Type CF.

**ORDERING INFORMATION**


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MultiMed 12 Pod with SpO <sub>2</sub> (includes 3 meter pod comm cable and mounting band)	5589663
MultiMed 12 Pod Mounting Band	5202747
ARIES 12-lead ST, Kappa/Delta/Delta XL	5597328
ARIES 12-lead ST, Kappa XLT	MS15191
Infinity CentralStation Rest ECG Analysis	MS18396

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Refer to the Infinity CentralStation technical data sheet for additional ordering information or contact your local Dräger Medical representative.

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<sup>1</sup> SpO<sub>2</sub> accuracies are expressed as ± "X" digits between indicated saturation levels. Accuracy of the SpO<sub>2</sub> measurement is specified with one standard deviation, which represents approximately 68% of the population

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