

Eclipse™ MINI

Spacelabs' Eclipse MINI Ambulatory ECG Recorder Model 98900

is a waterproof continuous ECG recorder, that can support up to 30 days of 3 channel ECG, from a comfortable patch sensor, when used with an appropriate Spacelabs ECG analyzer. Eclipse MINI can be also be mailed to patients and self-applied. The recorder can also easily be detached, the patch sensor changed, and then reattached with minimal patient interaction.

Eclipse MINI is intended to offer a cost-effective solution, when used with event screening software, for the rapid and accurate diagnosis and treatment of patients suspected of cardiac arrhythmia's.



Features

The ECG monitor has the following features:-

- Reusable device to be used in combination with a disposable ECG Sensor.
- Supports patient changeable patch sensor.
- Supports up to 30 days of 3-channel ECG data.
- Auto-start of recording on application of recorder with LED indicator
- Activity sensor.

Memory	1 GB internal (non-removable)
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Capacity	Up to 30 days
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Physical Dimensions

Dimensions	45 x 29 x 12 mm
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Weight	Recorder Body < 15 grams
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Electrical Requirements

Battery	Two cell batteries integrated in patch sensor provide power for 15 days
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Environmental Requirements

Storage and Transport	Temperature	-25 °C to 70 °C
	Humidity	10 % - 90 % RH (non-condensing)

Operating	Temperature	-5 °C to +45 °C
	Humidity	10 % - 95 % RH (non-condensing)
	Pressure	700 to 1060 hPa

Water Ingress Protection	Waterproof recorder, tested to IP67 Patch electrode IP44 when connected to the recorder (Cannot be submerged but can be used in the shower)
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Shock	Meets the requirements for mechanical shock as specified in IEC 60601-1-11:2015
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General

ECG Recording	Supports 3 channel ECG when combined with an appropriate Spacelabs ECG analyzer
Sampling Rate	>= 32 kHz sampling.
Storing Rate	128 samples per second
Dynamic Range	10 mV
Amplitude Resolution	12 bits
Data Stored	Full disclosure ECG, with patient event markers. Accelerometer and posture recording. Recording ID, recorder serial number.
Frequency Response	0.67 Hz to 40 Hz Ambulatory ECG bandwidth.
Pacing	The Eclipse MINI is capable of recording ECG signal in the presence of implanted pacemaker pulses but does not record pacing pulses.
Calibration	Not Required
Input Impedance	> 10 M Ohm
Display	None
Languages	Per ECG analyzer.

Electromagnetic Compatibility

Emissions	CISPR11/FCC Part 15 Class B
Immunity	IEC 61000-4-3 Radiated RF 10 V/m 80 MHz to 2.7 GHz (Recording mode) IEC 61000-4-2 ESD 8 kV contact, 15 kV air

Regulatory

Regulatory	CE marked in accordance with Medical Device Directive 93/42/EEC as amended by 2007/47/EC IEC60601-1:2012, IEC60601-2-47:2012, IEC60601-1-2:2014, IEC60601-1-6:2013, IEC60601-1-11:2015 Pending 510(k) Clearance	
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Accessories

ECG Sensor (box of 10)	712-1053-00
Patient diary	000-0585-00
Patient Self-Hook-Up Guide	073-0608-00
Operator manual / Instructions for Use (English)	070-2921-00