

Datex-Ohmeda S/5 Light

Patient Monitor

A versatile vital signs monitor specifically designed for surgery, bedside and transport applications

FEATURES

- Light weight and portable, fast and easy-to-use.
- Large display provides outstanding visibility and a wide range of viewing angles and provides up to three waveforms.
- Balanced handle with hooks makes it easy to lift, carry and attached to bed or wall rail.
- Parameter configurations include ECG, NIBP, invasive BP, pulse oximetry, respiration, temp and recorder.
- Preconfigured with optimized keys to help ensure efficient monitoring, including direct access keys for the function you use most.
- Automatic numerical and graphical patient data trending of all parameters.
- Optional upgrade to 3-channel recorder, back-up battery, datacard and network options.



 Refurbished
by Avante

SPECIFICATIONS



Weight w/o Battery:
4.2 kg/9.3 lb.

Weight w/ Battery:
6.1 kg/13.5 lb.



Display Size and Type:
9" monochrome EL display
Display resolution 640 x 400

Monitor (W x D x H):
325 x 160 x 210 mm
12.8" x 6.3" x 8.3"

Battery Module (W x D x H):
290 x 150 x 40 mm
11.4" x 5.9" x 1.6"



Input Voltage:
12.5 V DC



Graphical Trends:
2, 4, 12 and 24 h

Irradiance:
233 W/m² (39.4")

Numerical Trends:
All parameters, sampled every 5 min and after NIBP measurement

Alarms:
Adjustable high and low alarms for HR, Resp, NIBP, SpO₂, Temp, Invasive Pressures and CO₂

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General

Safety Standards:	Designed to meet IEC 60601-1, CAN/CSA C22.2 No. 601.1-M90 and UL 2601-1, CEmarking according to Directive 93/42/EEC
I/O Connections:	RS-232 serial output, Defib. sync. signal, Nurse Call and Local printer

ECG

Measured leads:	I, II or III
Frequency Response:	0.5 to 30 Hz (-3 dB, with 50 Hz reject filter) 0.5 to 40 Hz (-3 dB, with 60 Hz reject filter)

Pacemaker Pulse Detection

Detection Level:	5 to 500 mV
Pulse Duration:	0.5 to 2 ms Sweep speed (trace) 12.5, 25 or 50 mm/s
Heart Rate/Pulse Rate	
Measurement Range:	30 to 250 bpm
Measurement Accuracy:	± 5 % or ± 5 bpm whichever is greater

Respiration

Measuring Range:	Impedance, 0.2 to 6 ohm
Max. Base Imbedance:	5 kohm
Respiration Range:	4 to 120 resp/min
Measurement Accuracy:	±5% or ± 5 resp/min whichever is greater
Sweep Speed (Trace):	Slow 0.62 mm/s, Fast 6.25 mm/s

Pulse Oximetry (SpO2/Pleth)

Measurement Range:	40 to 100%
Measurement Accuracy:	100 to 80%, ±2 digits (± 1SD) 80 to 50%, ±3 digits (± 1SD) 50 to 40%, unspecified

Non-Invasive Blood Pressure

Measurement Range:	Adult 25 to 260 mmHg Child 25 to 190 mmHg Infant 15 to 140 mmHg
Typical Measurement Time:	Adult 23 s Infant 20 s

Temperature

Measurement Range:	10 to 45°C (50 to 113°F)
Measurement Accuracy:	±0.1°C (25 to 45.0°C) ±0.2°C (10 to 24.9°C)
Probe Type:	Compatible with YSI 400 series

Invasive Blood Pressure (F-LMP1 models only)

Measurement Range:	-40 to 320 mmHg
Measurement Accuracy:	±5 % or ± 2 mmHg
Transducer Sensitivity:	5 µV/V/mmHg

CO2 Mainstream (Optional)

Measurement Range:	0-99 mmHg / 0-13 vol % / 0-13 kPa
Accuracy:	0-40 mmHg /0-5.3 vol %: ±2 mmHg /±0.3 vol % 41-76 mmHg /5.3-10 vol % ±5% of reading 77-99 mmHg /10-13 vol % ±10% of reading
Respiration Range:	4-150 breaths/minute
Calibration:	No routine calibration required
Mainstream CO2 Sensor	< 18.5 g (excluding cable)
Weight:	
Cable Length:	3 m
Warm-Up Time:	< 80 s (from 25°C ambient)
Response Time:	100 ms

Pulse Oximetry, Nellcor SpO2/Pleth (Optional)

Calibration Range:	100 to 70%
Measurement Accuracy:	± 3 digits (± 1SD) for sensor types D-YS, DS-100A, OXI-A, OXI-P/I
Plethysmographic Waveform	

Power Adapter

AC Voltage Range:	220-240 V /100-120 V ~ 50/60 Hz
Allowed AC Voltage	100 V -10% to 120 V +10%, 220 V -10%
Fluctuations:	to 240 V +10%
DC Output Voltage:	12.5 V and 18.5 V