

smiths

The Smiths Medical PM, Inc.

ADVANTAGE

- Reliably measure SpO₂, Pulse Rate and Pulse Strength
- Uses refined hardware and a patented algorithm to identify artifact
- Analyzes digitized signal at a rate of 120 times per second, creating dynamic templates to validate latest signals
- Digital, analog and nurse call output via optional cables
- Real time or trend printouts available when used with a computer and printer
- Remote alarm function available
- Internal rechargeable battery
- Genuine BCI® reusable & disposable sensors available

AUTOCORR® DIGITAL PULSE OXIMETER

Serial Autocorrelation (SAC) technology takes cost-effective pulse detection to another level.



The **AUTOCORR® PULSE OXIMETER** looks at pulse oximetry data in a unique way instead of relying on a voltage threshold. The result is reliable readings making it a perfect solution for your most challenging environments. What's more, this accurate, cost-effective technology is readily adaptable to clinical, home and sleep study environments. For more information, visit smiths-medical.com.

AUTOCORR® DIGITAL PULSE OXIMETER

SPECIFICATIONS:

Displays, Indicators & Keys:

SpO ₂	3-digit LED numeric display 0.43 inch (10.9 mm) high
Pulse Rate	3-digit LED numeric display 0.43 inch (10.9 mm) high
Pulse Strength	Logarithmically scaled 8-segment LED bar graph
Low Battery	LED flashes when approximately 30 minutes of battery life remains
Alarm Silence	LED flashes to remind the user that audio alarms are disabled
Sensor	LED flashes to alert the operator to check the SpO ₂ sensor placement
Lost Pulse Alarm	Flashing % SpO ₂ dashes indicate the sensor no longer detects a pulse while a finger is inserted into it (a pulse must previously be detected in order to get this alarm)
Brightness	Adjustable brightness of SpO ₂ , pulse rate, and bar graph displays
Search	Light indicates the monitor is looking for a pulse
Artifact	Light indicates the presence of excess motion or other artifact
Power	Green color indicates monitor is connected to AC power

SpO₂:

Range	0-100%
Accuracy	±2% at 70-100%; ±3% at 50-69%
Averaging	4, 8, or 16 pulse beat average
Alarm Range	High - 50%-100% & OFF (1% steps) Low - OFF & 50%-99% (1% steps)

Pulse Rate:

Range	30-254 bpm
Accuracy	±2% at 30-254 bpm
Alarm Range	High - 5-250 bpm & OFF (1 bpm steps) Low - OFF & 5-250 bpm (1 bpm steps)
Averaging	8 or 16 second average

Power:

AC Charger	Wall Mount	105-125V ~, 60Hz 100V ~, 50Hz (opt)
	Table Top	230V ~, 50/60Hz (opt)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
Please read the Instructions for Use supplied with the product
for detailed instructions, warnings, and cautions.

Power:

Battery	Standard Lead-Acid battery:
Battery Life	Internal rechargeable, not user replaceable. Fully charges in 6 hours. Approx. 4.5 hrs of continuous use.

Printer Output:

Data Log Mode	SpO ₂ and pulse rate can be printed every five seconds
Trend Printing	Data saved every four to thirty seconds can be printed
Optional Cables	Analog Output, Digital Output and Nurse Call

Physical:

Dimensions	3.24" H x 8.5" W x 5.5" D 21.6 cm x 8.2 cm x 14 cm
Weight	30 oz. (850 grams)

Environment:

Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-40°F to 167°F (-40°C to 75°C)
Relative Humidity	10-95% (storage) 15-95% (operating)

Mechanical Durability Test Results:

Vibration Testing	In compliance with IEC 68-2-6, IEC 68-2-34
Shock Testing	In compliance with IEC 68-2-27
Drop Testing	Exceeded UL544 testing recommendations

Standards:

EN60601-1 (IEC 60601-1), UL544, CSA Std. C22.2 No. 125-
1984, EN60601-1-1, EMC: EN60601-1-2

Regulatory Compliance:

510(k): K962156



ISO 9001/ISO 13485

Catalog Number:

3304 Autocorr® Digital Pulse Oximeter

Q-Line for U.S.A. Customers call 1-800-348-1842 for emergency and clinical application information 24 hours a day, 365 days a year.
Experienced Clinical Specialists will return your call and assist with any questions you may have.

For more information, please call Smiths Medical PM, Inc. Patient Monitoring and Ventilation at 262-542-3100 or 800- 558- 2345
or your Smiths Medical distributor

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Smiths Medical PM, Inc.

Patient Monitoring and Ventilation
N7 W22025 Johnson Drive, Waukesha, Wisconsin 53186 USA
Phone: 262-542-3100 Fax: 262-542-0718 Toll-Free: 800-558-2345
www.smiths-medical.com

The product described is covered by U.S. Patent No. 5,558,094; 5,615,091
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