

The Cardiac Science™ 5300 and 5350 vital signs monitors

Big-screen monitors designed for the real world

Primary Users

Hospitals and physician offices

Primary Benefits

Better visibility. The 5300 and 5350 are designed with a screen nearly 3x larger and noticeably brighter than a major competitor's to enhance staff efficiency and accuracy.¹

Durability. Like all Cardiac Science devices, these vital signs monitors are built to last, even in a busy hospital environment.

Patient comfort. Smart Inflation™ technology prevents the blood pressure cuff from overinflating and, with dynamic linear deflation, the cuff deflates based on the patient's pulse rate.

Ease of use. The 5300 and 5350 withstand routine fluid contact so cleanup is fast and easy.

Connectivity. For EMR integration, an optional connectivity kit enables you to download data in HL7 format or network service to a laptop.

Easy documentation. The optional built-in printer allows you to print out results immediately or later. Select among three report styles.



Introducing the easy-to-read vital signs monitor

Vital signs monitors are the workhorses of every department – devices you count on, day in and day out, for speed, accuracy, and dependability. Soon you'll view and monitor noninvasive blood pressure, pulse rate, temperature, and SpO₂ more efficiently and comfortably than ever before.

The Cardiac Science 5300 and 5350 bring you big-screen readability for ease-of-use and efficiency. Even in a dark room, this unique screen gives you vital signs data at a glance.

- + Capture vital signs at a glance with the nearly three-times-larger screen.¹
- + See data from an angle with the 45-degree slanted screen.
- + Take readings even in low-light conditions with the bright, color-coded digits.

Four more reasons to choose the 5300/5350 monitors

In addition to the big screen to help you focus on the patient and monitor,

- + **The wide base** makes it difficult to tip over, so costly temperature probe damage may be a thing of the past.
- + **The easy-to-clean monitor** withstands routine fluid contact to help contain the spread of infection.
- + **The Smart Inflation™ technology** customizes cuff inflation for each patient to the minimum pressure required for an effective test.
- + **The optional built-in printer** lets you easily document the test.

Developed and supported by market leaders

The monitors are based on proven technology from Omron Healthcare, Inc., the global leader in blood pressure technology with more than 100 million blood pressure monitors sold. And they're supported by Cardiac Science Corporation, makers of Burdick® and Quinton® cardiology devices and leaders in medical equipment service.

¹Compared to the Welch Allyn® Spot Vital Signs® 420 series monitor, Directions for Use REF 4200-87E, Material No. 706272 Ver. C



The Cardiac Science™ 5300 and 5350 vital signs monitors

TECHNICAL SPECIFICATIONS

NON-INVASIVE BLOOD PRESSURE (NIBP) Measurement technology Measurement method Measurement time Pressure display range Pressure display accuracy NIBP Measurement range Adult/pediatric mode SYS MAP DIA Pulse rate Neonatal mode SYS MAP DIA Pulse rate NIBP accuracy Hose Connector Pulse rate accuracy	Oscillometric method Linear deflation method Normal / High speed selectable 0 mmHg to 299 mmHg ±3 mmHg 60 mmHg to 250 mmHg 45 mmHg to 235 mmHg 40 mmHg to 200 mmHg 40/min to 200/min 40 mmHg to 120 mmHg 30 mmHg to 100 mmHg 20 mmHg to 90 mmHg 40/min to 240/min ANSI / AAMI SP-10 RECTUS ±2% or ±2 beats	ALARIS® TEMPERATURE OPTION Measurement Method Measurement Site Measurement Range Measurement Accuracy	Turbo Temp® Electronic Predictive Thermometer Sub lingua and Axilla 35.6°C - 41.1°C (96.1°F - 105.9°F) (Predictive mode) 26.7°C - 41.1°C (80.1°F - 105.9°F) (Monitoring mode) ±0.1°C (±0.2°F) (Monitoring mode)
NELLCOR® SpO₂ OPTION (PULSE OXIMETER) Measurement Method Measurement Range Measurement Accuracy Pulse Rate Range Pulse Rate Accuracy Display Update	2 wave length pulse wave type (OXIMAX® technology) 70% to 100% SpO ₂ ±2% SpO ₂ (70% to 100% SpO ₂ when using SpO ₂ disposable sensor MAX-A) ±3% SpO ₂ (70% to 100% SpO ₂ when using SpO ₂ reusable sensor DS-100A) 20 to 250/min ±3/min Less than 30 sec	COMMUNICATIONS KIT OPTION Type Output	RS-232 Port HL7 or ASCII
MASIMO® SPO₂ OPTION (PULSE OXIMETER) Measurement Method Measurement Range Measurement Accuracy Pulse Rate Range Pulse Rate Accuracy Display Update	2 wave length pulse wave type (Masimo SET® technology) 1% to 100% SpO ₂ ±2 SpO ₂ (70 to 100% SpO ₂ , Adult/Pediatric, without motion) ±3 SpO ₂ (70 to 100% SpO ₂ , Neonatal, without motion) 25 to 240/min ±3/min Less than 30 sec	PRINTER OPTION Type Reports Resolution Paper Type Paper Width Print Speed	Thermal line head Simple list, detail list, or measurement value 8 dot/mm Thermal 58 mm (2.28 in) 25.0 mm/sec
		GENERAL Dimensions (H x D x W) Main Unit AC Adaptor Weight, Main Unit Display Method Type of protection Protection Class	150 mm x 239 mm x 239 mm (5.9 in x 9.4 in x 9.4 in) 75 mm x 47 mm x 150 mm (2.9 in x 1.8 in x 5.9 in) 3.6 kg (8.1 lb) (including all options but excluding accessories) LED Type BF - Applied part Class I
		POWER REQUIREMENT AC Power Battery Type Operating Time Charging Time Battery Saving Mode Function	AC 100 V-240 V, 50/60 Hz 12 V, 3.2 Ah Lead acid 6 hours when fully charged, with no printing, 1 NIBP measurement every 15 minutes, in power-saving mode, at 25°C (77°F) 6 hours from fully empty to fully charged Yes
		ENVIRONMENTAL Operating Temperature Storage Temperature Operating Humidity	0°C to 40°C (32°F to 104°F) -20°C to 60°C (-4°F to 140°F) 30% to 85% (non-condensing)

SMART INFLATION™ is a trademark of Omron Healthcare Co., LTD. NELLCOR® and OXIMAX® are registered trademarks of Nellcor Puritan Bennett, Inc.

MASIMO® and SET® are registered trademarks of Masimo Corporation. ALARIS® and TURBO TEMP® are registered trademarks of Cardinal Health 303, Inc.

Cardiac Science Corporation • 3303 Monte Villa Parkway, Bothell, WA 98021 USA • 425.402.2000 • US toll-free 800.426.0337 • Fax: 425.402.2001 • info@cardiacscience.com

Orders and Customer Care (US and International) • 425.402.2000 • US toll-free 800.426.0337 • Fax: 425.402.2001 • care@cardiacscience.com

Technical Support • (US) Fax: 425.402.2022 • technicalsupport@cardiacscience.com • http://websupport.cardiacscience.com/webchat/ • (International) internationalservice@cardiacscience.com

Cardiac Science International A/S • Kirke Værloesevej 14, DK-3500 Værloese, Denmark • +45.4438.0500 • Fax: +45.4438.0501 • international@cardiacscience.com

United Kingdom • The Manse, 39 Northenden Road, Sale, Manchester, M33 2DH, United Kingdom • +44.161.926.0000 • uk@cardiacscience.com

France • Parc de la Duranne, 565 Rue René Descartes, 13857 Aix en Provence cedex 3, France • +33.4.88.19.92.92 • france@cardiacscience.com

Central Europe (D, A, CH) • Oskar-Schindler-Strasse 3, D-50769 Köln, Germany • +49.221.33734.300 • centraleurope@cardiacscience.com

China • 6/F South Building, 829, Yi Shan Road, Shanghai 200233, China • +86.21.6495.9121 • china@cardiacscience.com

Cardiac Science, the Shielded Heart logo, Burdick, and Quinton are trademarks of Cardiac Science Corporation.
 Copyright © 2009 Cardiac Science Corporation. All Rights Reserved. MKT-16100-01 rA

