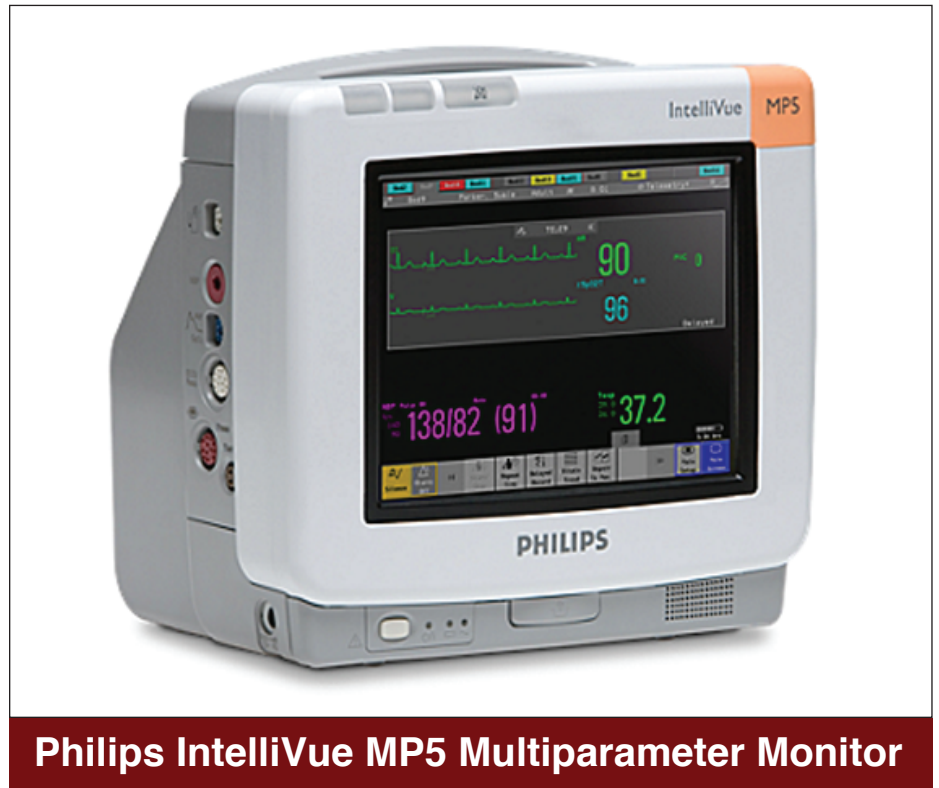


Product Overview

The Philips IntelliVue MP5 patient monitor delivers IntelliVue monitoring power and functionality in a small, sturdy housing to match the demands of different care environments. The IntelliVue MP5 monitors give care teams throughout the hospital more information to assess patients and make confident decisions. The MP5 is built on a world-class IntelliVue platform with its easily recognizable and user-friendly interface. Clinicians are able to easily navigate through one-step smart touch commands with the integrated touchscreen. This monitor can connect to the IntelliVue Clinical Network with a wired or wireless connection for continuous connection. This gives clinicians assurance that data collection won't be disrupted, no matter where patients are located on the network.



Philips IntelliVue MP5 Multiparameter Monitor

The IntelliVue MP5 has a sturdy housing to withstand rough handling and has commonly required measurements built in including; ECG, SpO2, and NBP. It's lightweight weighing only 8.8 lbs. and has an 8.4-inch color SVGA display that can display up to four waveforms. The Philips MP5 was designed to aid caregivers in early recognition of subtle signs of deterioration.

Features

- Compact, rugged, lightweight monitor with built-in measurements.
- ECG monitoring using any combination of three to 10 electrodes.
- 12-lead ECG monitoring with five electrodes using the EASI method or with 10 electrodes using the conventional method.

Features Continued & Specifications on Next Page

Note: The technical data given in this publication is for general information and is subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.



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Features

- Multi-lead arrhythmia and ST segment analysis at the bedside on all available leads.
- Respiration Mainstream or Sidestream CO₂.
- FAST SpO₂ for accurate performance even with low perfusion.
- Invasive Pressure and Temperature measurement.
- Choice of either auscultatory or intra-arterial measurements as a measurement reference for Non-Invasive Blood Pressure.

Specifications

Dimensions

Height: 9.76" (24.8 cm)
Width: 10.2" (25.9 cm)
Depth: 7.32" (18.6 cm)
Weight: 8.8 lbs (4 kg)

Power

Power Consumption: < 40W average; < 65W Peak
Line Voltage: 100 to 240 V ~
Current: 1.3 to 0.7A
Frequency: 50/60 Hz

Display

Type: SVGA
Size: 8.4" (21.3 cm)
Resolution: 800 x 600
Refresh Rate: 60 Hz

Operating Environmental Specifications

Temperature: 32 to 104°F (0 to 40°C)
Humidity: 15 to 95% non condensing
Altitude: 10,000 ft (-500 to 3000 m)

Battery

Type: Lithium-Ion
Capacity: 6000 mAh
Voltage: 10.8 V
Weight: 480g (Per battery)
Charge Time: 4 hours (When off); 5 hours or more when on
Operating Time: 4 Hours (Basic monitoring configuration); 3 hours (Extended monitoring configuration)

Storage Environmental Specifications

Temperature: -4 to 140°F (-20 to 60°C)
Humidity: 5 to 90% non condensing
Altitude: 15,000 ft (-500 to 4600 m)

Sweep Speeds

6.25, 12.5, and 50 mm/s with +/- 5% accuracy

Specifications Continued on Next Page

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Specifications

CO₂

CO₂

Range: 0 to 150 mmHg (0 to 20.0 kPa)

Accuracy: after 2 minutes warmup: For values between 0 and 40 mmHg: ± 2.0 mmHg (± 0.29 kPa)

For values from 41 to 70 mmHg: $\pm 5\%$ of reading

For values from 71 to 100 mmHg: $\pm 8\%$ of reading

The specifications are valid for standard gas mixtures, balance air, fully hydrated at 35°C, Pabs = 760 mmHg, flow rate = 2 l/min

Resolution: Numeric: 1.0 mmHg (0.1 kPa); Wave: 0.1 mmHg (0.01 kPa)

Stability: Short-term drift: ± 0.8 mmHg over four hours; Long-term drift: Accuracy specification will be maintained over a 120 hour period

awRR

Range: 2 to 150 rpm

Accuracy: ± 1 rpm

Warm-up Time

2 minutes with CO₂ transducer attached for full accuracy specification

Response Time

Less than 60 ms

Temperature

Temp

Range: -1 to 45 °C (30 to 113 °F)

Resolution: 0.1 °C (0.2 °F)

Accuracy: ± 0.1 °C (± 0.2 °F)

Average Time Constant

Less than 10 seconds

Temperature Continued

Alarms

Range: -1 to 45 °C (30 to 113 °F)

Adjustment: -1 to 35 °C (30 to 95 °F): 0.5 °C (1.0 °F) steps
35 to 45 °C (95 to 113 °F): 0.1 °C (0.2 °F) steps

Invasive Pressure Performance

Measurement Range

-40 to 360 mmHg

Pulse Rate

Range: 25 to 350 bpm

Accuracy: $\pm 1\%$ Full Range

Resolution: 1 bpm

Input Sensitivity

Sensitivity: $5\mu\text{V}/\text{V}/\text{mmHg}$ ($37.5\mu\text{V}/\text{V}/\text{kPa}$)

Adjustment range: $\pm 10\%$

Transducer

Load Impedance: 200 to 2000 Ω (resistive)

Output Impedance: ≤ 3000 Ω (resistive)

Frequency Response

dc to 12.5 Hz or 40 Hz

Zero Adjustment

Range: ± 200 mmHg (± 26 kPa)

Accuracy: ± 1 mmHg (± 0.1 kPa)

Drift: Less than 0.1 mmHg/°C (0.013 kPa/°C)

Specifications Continued on Next Page

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Specifications

NBP Performance Specifications

Measurement Ranges

Systolic: Adult: 30 to 270 mmHg (4 to 36 kPa); Pedi:
30 to 180 mmHg (4 to 24 kPa); Neo: 30 to 130
mmHg (4 to 17 kPa)

Diastolic: Adult: 10 to 245 mmHg (1.5 to 32 kPa);
Pedi: 10 to 150 mmHg (1.5 to 20 kPa); Neo: 10 to
100 mmHg (1.5 to 13 kPa)

Mean: Adult: 20 to 255 mmHg (2.5 to 34 kPa); Pedi:
20 to 160 mmHg (2.5 to 21 kPa); Neo: 20 to 120
mmHg (2.5 to 16 kPa)

Pulse Range: Adult: 40 to 300; Pedi: 40 to 300; Neo:
40 to 300

Accuracy

Max. Std. Deviation: 8 mmHg (1.1 kPa)

Max. Mean Error: ± 5 mmHg (± 0.7 kPa)

Pulse Rate Measurement Accuracy

40 to 100 bpm: ± 5 bpm

101 to 200 bpm: $\pm 5\%$ of reading

201 to 300 bpm: $\pm 10\%$ of reading (average over
NBP measurement cycle)

Heart Rate Range

40 to 300 bpm

Measurement Time

Typical at HR > 60bpm

Auto/manual: 30 seconds (adult) 25 seconds
(neonatal) Stat: 20 seconds

Maximum time: 180 seconds (adult/pediatric) 90
seconds (neonates)

NBP Performance Specifications Continued

Cuff Inflation Time

Typical for normal adult cuff: Less than 10 seconds

Typical for neonatal cuff: Less than 2 seconds

SpO2 Performance Specifications

Pulse

Range: 30 to 300 bpm

Accuracy: $\pm 2\%$ or 1 bpm, whichever is greater

Resolution: 1 bpm

Sensors

Wavelength range: 500 to 1000 nm

Emitted Light Energy: ≤ 15 mW Information about
the wavelength range can be especially useful to
clinicians (for instance, when photodynamic therapy
is performed)

Pulse Oximeter Calibration Range

70 - 100%

ECG Arrhythmia and ST Performance

Cardiotach

Range: Adult/pedi: 15 to 300 bpm; Neo range: 15 to
350 bpm

Accuracy: $\pm 1\%$ of range

Resolution: 1 bpm

Sensitivity: $\geq 200 \mu V_{peak}$

PVC Rate

Range: 0 to 300 bpm

Resolution: 1 bpm

Specifications Continued on Next Page

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Specifications

ECG Arrhythmia and ST Performance Continued

ST Numeric

Range: -20 to +20 mm

Accuracy: ± 0.5 mm or 15%, whichever is greater

Resolution: 0.1 mm

Sinus and SV Rhythm Ranges

Brady: Adult: 15 to 60 bpm; Pedi: 15 to 80 bpm;

Neo: 15 to 90 bpm

Normal: Adult: 60 to 100 bpm; Pedi: 80 to 160 bpm;

Neo: 90 to 180 bpm

Tachy: Adult: > 100 bpm; Pedi: >160 bpm; Neo:
>180 bpm

Bandwidth

Diagnostic Mode: Adult/neo/pedi: 0.05 to 150Hz

Extended Monitoring Mode: Neo/pedi: 0.5 to 150Hz

Monitoring Mode: Adult: 0.5 to 40Hz; Neo/pedi: 0.5
to 55Hz

Filter mode: Adult/neo/pedi: 0.5 to 20H

HR

Range: 15 to 300 bpm maximum delay: 10 seconds
according to AAMI EC 13- 1992 standard