

PHILIPS

Patient monitors

Philips Goldway GS20 patient monitor



- 10.4-inch color TFT LED display
- Maximum display of 8 channels; auto channel height adjustment function
- Philips FAST SpO₂ technology with anti-motion and low perfusion performance
- Optional built-in 3-channel recorder
- Bed-to-bed overview function without central monitoring system
- Bi-directional communication via LAN networking to Efficia CMS200 central monitoring system
- Standard HL7 output
- Fan-less design to reduce dust deposits
- Applications from neonate to adult
- 4 user-defined profiles and timer to help improve clinicians' efficiency

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ECG

Lead type:	3-lead or 5-lead selectable
Lead selection:	3-lead: I, II, III 5-lead: I, II, III, aVR, aVL, aVF, V
HR measurement range:	Adult: /ped.: 15 – 300 bpm Neonatal: 15 – 350 bpm
Accuracy:	± 5 bpm or ± 1%, whichever is greater
Waveform speed:	6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
Gain selection:	× ¼, × ½, × 1, × 2, × 4, Auto
Pacemaker detection:	yes
Protection:	against electrosurgical interference and defibrillation

Non-invasive blood pressure (NBP)

Method:	automatic oscillometric
Parameters:	SYS/DIA/MAP/pulse rate
Operating mode:	Manual/Auto/STAT
Auto measure intervals:	3, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes
Units:	mmHg/kPa
Cuff pressure range:	Adult/pediatric: 0 – 300 mmHg (0 – 40.0 kPa) Neonate: 0 – 150 mmHg (0 – 20.0 kPa)
Measurement NBP range:	
SYS:	Adult/pediatric: 30 – 254 mmHg (4.0 – 33.9 kPa) Neonate: 30 – 135 mmHg (4.0 – 18.0 kPa)
DIA:	Adult/pediatric: 10 – 220 mmHg (1.3 – 29.3 kPa) Neonate: 10 – 110 mmHg (1.3 – 14.7 kPa)
MAP:	Adult/pediatric: 20 – 235 mmHg (2.7 – 31.3 kPa) Neonate: 20 – 125 mmHg (2.7 – 16.7 kPa)
Accuracy:	Max. std. deviation: 8 mmHg (1.1 kPa) Mean error: ± 5 mmHg (± 0.7 kPa)
PR range:	40 – 240 bpm
PR accuracy:	± 5 bpm or ± 5%, whichever is greater

SpO2 (Philips SpO2 technology)

Measurement range:	0 – 100%
Accuracy:	70 – 100%, depends on sensor; other range, unspecified
Waveform speed:	6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
PR range:	30 – 300 bpm
PR accuracy:	± 2 bpm or ± 2%, whichever is greater
Perfusion index:	Yes

Respiration (RESP)

Measurement method:	thoracic impedance
Measurement range:	0 – 150 rpm
Accuracy:	0 – 120 rpm: ± 1 rpm; 121 – 150 rpm: ± 2 rpm
Waveform speed:	6.25 mm/s, 12.5 mm/s, 25 mm/s, 60 mm/s
Gain selection:	× ½, × 1, × 2
Apnea alarm:	yes, 10 – 60 s
Work mode:	Auto or manual (threshold)

Temperature (TEMP, 2-channel)

Measurement range:	0 – 50 °C (32 – 122 °F)
Resolution:	0.1 °C (0.2 °F)
Accuracy:	± 0.1 °C (± 0.2 °F)
Units:	°C / °F
Minimum measuring time:	Attachable skin surface probe: < 10 minutes Esophageal/rectal probe: < 2 minutes

Recorder (optional)

Type:	built-in thermal recorder, 3 channels
Print mode:	real-time recording, timed recording, alarm-activated recording
Print speed:	Auto, 12.5 mm/s, 25 mm/s, 50 mm/s, accuracy ± 5%

Display

Type:	Color TFT LCD, 4:3
Size:	10.4 inch
Resolution:	800 x 600 pixels
Channels:	max. 8 channels

Power supply

AC power input:	100 – 240 VAC, 50/60 Hz
Battery:	rechargeable li-ion battery 11.1V 4,800 mAh Typical operating time: 2.5 hours Cycle life: ≥ 300 charges

Weight and dimensions

Net weight:	3.6 kg
Dimensions:	316 x 265 x 131 mm (w x d x h)

Safety approval and quality system

Safety standard:	IEC60601-1:2012
Electromagnetic environment:	IEC60601-1-2:2014
Quality system:	ISO9001 & ISO13485 certified CE-marking
Waterproof:	IEC60529 IPX1

Parameters

Standard:	ECG, HG, RESP, NBP, SpO2, PR, dual TEMP
Optional:	recorder, external interface

Data review and storage

1,600 sets NIB table
1,200-hour trend graph of all parameters (with data manager function)
120-minute full disclosure ECG 1 waveform review (with data manager function)
200 sets alarm events
200 sets arrhythmia events

Environmental specifications

Temperature	5 – 40 °C (41 – 104 °F)
– working:	
Relative humidity	15 – 80%
– operating:	
Barometric pressure	70 – 106.0 kPa
– working:	

Specifications subject to change without notice

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