



G30

Patient Monitor

- 10.4" color TFT display
- Maximum 8 waveforms display
- 7-Lead ECG simultaneous display
- ST and arrhythmia analysis
- Optional dual-channel IBP and CO₂ monitoring
- Drug dose calculation and titration table
- OxyCRG dynamic view display
- Applications from neonate to adult
- LAN networking capability to UT4800 Central Monitoring System
- External VGA interface

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Patient Monitor

ECG

Lead type:	Standard 3-lead or 5-lead selectable
Lead selection:	I, II, III or I, II, III, aVR, aVL, aVF, V
HR measurement range:	15 bpm–300 bpm
Accuracy:	±5 bpm or ±1% whichever is greater
Arrhythmia:	13 calls
ST measurement range:	-0.8mV–+0.8mV
Accuracy:	±0.02mV or ±5%
Sweep speed:	6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
Gain selection:	x1/4, x1/2, x1, x2, x4, Auto
Pacemaker detection:	Yes
Protection:	Against electrosurgical interference and defibrillation

SpO₂

Philips SpO ₂ Technology	
Measurement range:	0–100%
Accuracy:	70%–100%, depends on sensor
	0–69%, unspecified
PR range:	30 bpm–240 bpm
PR accuracy:	±2 bpm or ±2%, whichever is greater

Non-Invasive Blood Pressure (NIBP)

Method:	Automatic oscillometric
Parameters:	SYS/DIA/MAP/Pulse Rate
Operating modes:	Manual/Auto/STAT
Auto measure time:	1–10, 15, 30, 60, 90, 120, 180, 240, 480 minute intervals
Units:	mmHg/kPa
Cuff pressure range:	Adult/Pediatric 0–300 mmHg Neonate 0–150 mmHg
Measurement and alarm range:	
SYS:	Adult 30 mmHg–254 mmHg (4kPa–33.9kPa) Neonate 30 mmHg–135 mmHg (4kPa–18kPa)
DIA:	Adult 10 mmHg–220 mmHg (1.3kPa–29.3kPa) Neonate 10 mmHg–110 mmHg (1.3kPa–14.7kPa)
Accuracy:	Max. Std. Deviation: 8 mmHg (1.1kPa) Max. Mean Error: ±5 mmHg (±0.7kPa)

Over-pressure protection: Yes

Respiration (RESP)

Measurement method:	Thoracic impedance
RESP measurement and alarm range:	0 rpm–120 rpm
Measurement accuracy:	±2 rpm
Waveform speed:	6.25 mm/s, 12.5 mm/s, 25 mm/s
Gain selection:	x1/2, x1, x2
Lead connection:	RA-LA, RA-LL, LA-RL, LL-RL
Apnea alarm:	Yes, 5–120s

Temperature (TEMP probe is optional)

Range:	0–50°C (32–122°F)
Resolution:	0.1°C (0.2°F)
Accuracy:	±0.1°C (±0.2°F)
Channel:	2 channels
Units:	°C/°F

EtCO₂ (optional)

Method:	Microstream, Infrared absorption
Parameters:	AwRR, EtCO ₂ , InCO ₂
Measurement range:	0–99 mmHg (0kPa–13.2kPa)
Accuracy:	0–38 mmHg: ±2 mmHg (0kPa–5.1kPa ± 0.28kPa) 39–99 mmHg: ±5% of reading + 0.08% for every 1 mmHg above 38 mmHg (5.2–13.2kPa: ±5% of reading + 0.08% for every 0.13 kPa above 5.1 kPa)
Resolution:	1 mmHg (0.13kPa)

Display sweep speeds:	6.25 mm/s, 12.5 mm/s, 25 mm/s
Respiration rate:	0–150 breaths/min
Respiration accuracy:	±1 rpm in the range of 3–70 rpm ±2 rpm in the range of 71–120 rpm ±3 rpm in the range of 121–150 rpm
Units:	mmHg/kPa

IBP (optional)

Channel:	2 channels
Parameters:	SYS/DIA/MAP/Pulse Rate
Measurement range:	-50–400 mmHg (-6.6kPa–53.2kPa)
Accuracy:	±4% of reading or ±4 mmHg (0.53kPa), whichever is greater
Resolution:	1 mmHg (0.13kPa)
Units:	mmHg/kPa
Transducer sensitivity:	5uV/V/mmHg

Recorder (optional)

Type:	Built-in thermal recorder, 3 channels
Print mode:	Waveform and text

Display

Type:	Color TFT LCD
Size:	10.4" (26.42cm)
Resolution:	800Hx600V Pixels
Channels:	6 channels or 8 channels (adjustable)

Power Supply

Battery:	Detachable battery (only one battery) Maximum 1.5 hours continuous monitoring
AC power requirements:	100–240VAC, 50/60Hz

Safety Approval & Quality System

Safety standard:	IEC60601-1
Quality system:	ISO9001 & ISO13485 certified

Weight & Dimensions

Net weight:	Approx. 4.5kg
Dimensions :	278mm (w) x 167mm (d) x 298mm (h)

Parameters

Standard:	ECG, HR, RESP, NIBP, SpO ₂ , PR, 2xTEMP
Optional:	2xIBP, EtCO ₂

Data Review and Storage

600 sets NIBP including all parameters at time of measurement
200 alarm events
120-hour trend graph of all parameters
12-minute full disclosure ECG waveform review

Languages

Chinese, English, French, Italian, Polish, Russian, Turkish, Spanish, Portuguese, German, Dutch, Swedish, Romanian, Danish, Norwegian

Specifications subject to change without notice.

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