

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:	15bpm-300bpm
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:	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/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:	30bpm-240bpm
PR accuracy:	± 2bpm 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 0-300mmHg Neonate 0-150mmHg
Measurement and alarm range:	
SYS:	
Adult	30mmHg-254mmHg (4kPa-33.9kPa)
Neonate	30mmHg-135mmHg (4kPa-18kPa)
DIA:	
Adult	10mmHg-220mmHg (1.3kPa-29.3kPa)
Neonate	10mmHg-110mmHg (1.3kPa-14.7kPa)
Accuracy:	Max. Std. Deviation: 8mmHg (1.1kPa) Max. Mean Error: ± 5mmHg (± 0.7kPa)
Over-pressure protection:	Yes

Respiration (RESP)

Measurement method:	Thoracic impedance
RESP measurement and alarm range:	0rpm-120rpm
Measurement accuracy:	± 2rpm
Waveform speed:	6.25mm/s, 12.5mm/s, 25mm/s
Gain selection:	x 1/2, x 1, x 2
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:	0-99mmHg(0kPa-13.2kPa)
Accuracy:	0-38mmHg: ± 2mmHg(0kPa-5.1kPa ± 0.28kPa) 39-99mmHg: ± 5% of reading + 0.08% for every 1mmHg above 38mmHg(5.2-13.2kPa: ± 5% of reading + 0.08% for every 0.13 kPa above 5.1 kPa)
Resolution:	1mmHg(0.13kPa)

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

IBP (optional)

Measurement range:	-50-400mmHg(-6.6kPa-53.2kPa)
Parameters:	SYS/DIA/MAP/Pulse Rate
Accuracy:	± 4% of reading or ± 4mmHg(0.53kPa), whichever is greater
Resolution:	1mmHg(0.13kPa)
Channel:	2 channels
Units:	mmHg/kPa
Pressure 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
	Maximum 1.5 hours continuous monitoring (1 battery)
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) x167mm (d) x298mm (h)

Parameters

Standard:	ECG, HR, RESP, NIBP, SpO ₂ , PR, 2 x TEMP
Optional:	2 x IBP, EtCO ₂

Data Review and Storage

600 sets NIBP
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
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Specifications subject to change without notice.

Distributor:

