Patient Monitor Magnolia 15

Monitor Everyone

NIBP, ECG, NellCor SpO_2 Sensor, IBP, CO_2,
Draeger Multi-Gas, Phasein Multi-Gas, Thermal Record, CMS
342mm(H)X368mm(L)X145mm(W)

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CO+LINN

MAGNOLIA 15

Model		Magnolia 15
Display Size		15-inch
Touch Screen		✓
ECG(3,5)		✓
ECG(12)		Optional
RESP		✓
SpO2(COLIN)		✓
NBP(COLIN)		✓
TEMP(2)		✓
CO_2		Optional
Recorder		Optional
Battery/2500mA		✓
Battery/5000mA		Optional
IBP(4-Channel)		Optional
C.O.		Optional
AG		Optional
Interface	1&2 Multi-function	✓
	Network	✓
	USB(2)	✓
	Video	✓
	SD Card	✓

CO+LINN
MAGNOLIA 15

ECG

- Lead Type :
  3 Leads : I, II, III
  5 Leads : I, II, III, aVR, aVL, aVF, V
  12 Leads : I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
- Gain : 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV, Auto
- HR Range : 15bpm ~ 300bpm (ADU)
  15bpm ~ 350bpm (PED, NEO)
- HR Accuracy : ±1% or ±1 bpm (whichever is greater)
- Resolution : 1 bpm
- Bandwidth (-3dB) : Diagnosis : 0.05Hz to 150Hz
  Monitor : 0.5Hz to 40Hz
  Surgery : 1Hz to 20Hz
- Waveform Speed : 12.5mm/s, 25mm/s, 50mm/s
- ST Range : -2.0 mV ~ +2.0 mV
- ST Accuracy : -0.8 mV ~ +0.8 mV : ±0.02 mV or 10% (whichever is greater)

CO_2

- Measuring Range :
  EtCO2 : 0 mmHg ~ 150 mmHg
  FiCO2 : 3 mmHg ~ 50 mmHg
  AwRR : 2 rpm ~ 150 rpm(sidestream)
  0 rpm ~ 150 rpm(mainstream)
- Resolution :
  EtCO2 : 1 mmHg
  FiCO2 : 1 mmHg
  AwRR : 1 rpm(sidestream)
- EtCO2 Accuracy : ±2 mmHg, 0 to 40 mmHg
  ±5 % of reading, 41 to 70 mmHg
  ±8 % of reading, 71 to 100 mmHg
  ±10 % of reading, 101 to 150 mmHg
  ±12 % of reading, RESP measurement value exceeds 80rpm(sidestream)
- AwRR Accuracy : ±1 rpm

SPO_2

- SPO2 Range : 0 ~ 100 %
- SPO2 Resolution : 1 %
- SPO2 Accuracy :
  Adult (including Pediatric) : 2 % (70%~100% SpO2)
  Undefined (0~69% SpO2)
  Neonate : 3 % (70%~100% SpO2)
  Undefined (0~69% SpO2)
- PR Range : 25bpm ~ 300bpm
- PR Resolution : 1bpm
- PR Accuracy : 2bpm

AG

- O_2 :
  Range : (0 to 100) Vol% Accuracy : ±(2.5 Vol% + 2.5 % rel.)
- CO_2 :
  Range : (0 to 13.6) Vol% Accuracy : ±(0.43 Vol% + 8% rel.)
- N_2O :
  Range : (0 to 100) Vol% Accuracy : ±(2 Vol% + 8% rel.)
- Anesthetic Gases Range :
  Halothane : (0 to 8.5) Vol% Isoflurane : (0 to 8.5) Vol%
  Enflurane : (0 to 10) Vol% Sevoflurane : (0 to 10) Vol%
  Desflurane : (0 to 20) Vol% Accuracy : ±(0.2 Vol% + 15 % rel.)

NBP

- Work Mode : Manual, Auto, Continuous
- Measurement Range :
  Adult mode : SYS : 40 mmHg ~ 270 mmHg
  DIA : 10 mmHg ~ 215 mmHg
  MAP : 20 mmHg ~ 235 mmHg
  Pediatric mode : SYS : 40 mmHg ~ 200 mmHg
  DIA : 10 mmHg ~ 150 mmHg
  MAP : 20 mmHg ~ 165 mmHg
  Neonatal mode : SYS : 40 mmHg ~ 135 mmHg
  DIA : 10 mmHg ~ 100 mmHg
  MAP: 20 mmHg ~ 110 mmHg
- Pressure Resolution : 1mmHg
- Maximum Mean Error : ±5mmHg
- Maximum Standard Deviation : 8mmHg

RESP

- RR Measuring Range :
  Adult : 0 to 120 rpm
  Neo/Ped : 0 to 150 rpm
- Resolution : 1 rpm
- Accuracy : 2 rpm

TEMP

- Channel: 2
- Measuring Range: 0℃ ~ 50℃
- Resolution: 0.1℃
- Accuracy (Without sensor): 0.1℃

IBP

- Measurement Range :
  Art : 0 to 300 mmHg
  PA : -6 to +120mmHg
  CVP/RAP/LAP/ICP : -10 to +40 mmHg
  P1/P2 : -50 to +300 mmHg
- Resolution : 1 mmHg
- Accuracy (without sensor) : ±2 % or 1 mmHg, whichever is greater

C.O.

- Measurement Range :
  C.O. : 0.1 L/min ~ 20L/min
  TB : 23℃ ~ 43℃ TI : -1℃ ~ 27℃
- Resolution :
  C.O. : 0.1L/min
  TB, TI: ±0.1℃
- Accuracy :
  C.O. : ±5% or 0.2 L/min, whichever is greater
  TB : ±0.1℃(without sensor) TI : ±0.1℃(without sensor)