

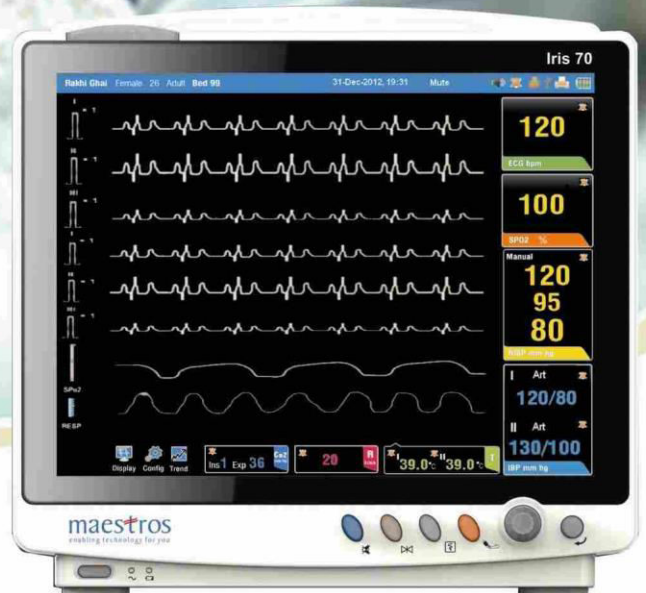


MAESTROS
ELECTRONICS

In Critical Times rely only on the best

Features:

- * Large 15" multicolor TFT display
- * Adult/ Pediatric/ Neonate application
- * 11 Channel configurable waveform display
- * Inbuilt battery operation
- * Printing to external printer
- * 96 hours trend for SpO2/ HR/ Resp/ Temp/ETCO2/ IBP
- * Trend of 100 NIBP readings
- * 100 event storage



Iris 70

Patient Monitor

Iris 70

ECG/ SPO2/ NIBP/ RESPIRATION/
ETCO2 / IBP/ TEMPERATURE

ECG	
Channel	11 channel
Electrode	3 / 5 lead
Display	11 waveforms with HR
Lead	Lead I, II, III, aVr, aVl, aVf, V
Gain selection	0.5, 1, 1.5 or 2
Sweep speeds	12.5, 25 or 50 mm / sec
Heart rate range	20 - 300 bpm
Heart rate accuracy	± 1 bpm
Frequency response	0.05 to 40 Hz
CMRR	> 100 dB
Input impedance	> 100 M Ohms
SpO2	
Technique	Transmission method
Display	Plethysmograph, pulse strength, pulse rate and % of oxygen saturation
Sweep speeds	12.5, 25 or 50 mm / sec
SpO2 range	0 - 100 %
SpO2 accuracy	± 2 for 70 - 100 % and ± 3 for 40 - 70 %
NIBP	
Method	Oscillometric measurement
Display	Systolic, Mean, Diastolic
Operation modes	Auto, Manual, Stat
Interval	2 - 120 minutes
Range	0 - 300 mmHg
Pressure accuracy	± 3 mmHg
Measurement time	30 to 150 seconds
RESPIRATION	
Method	Impedance Pneumography
Display	Respiration wave form with RR
Sweep speed	6.25 / 12.5 / 25 / 50 mm / sec
Range	0 to 150 bpm
Apnea alarm	10 - 90 secs
Resolution	1 breath/ minute
Accuracy	± 2 breaths/minute
TEMPERATURE (2 Channel)	
Sensor	Compatible to YSI 400 series
Resolution	0.1 degree C
Measurement range	10 to 45 degree C
Unit	C / F
Accuracy	0.1 degree C
IBP	
Measurement Method	Pressure Transducer Method
Display	Systolic, Mean, Diastolic with waveform
Channels	2 (IBP1 & IBP2)
Measurement Range	- 40 to 300mmHg
Display Accuracy	± 3 mmHg
Pulse rate measurement range	20 to 250 bpm
IBP scaling	37, 75, 150 and 300

EtCO2	
Method	Non-dispersive infrared Spectroscopy
Transducer Type	Sidestream CO2 Sensor
CO2 Measurement Range	0 - 150 mm Hg
CO2 Resolution	0.1 mm Hg (0-69 mm Hg) 0.25mmHg (70-150 mm Hg)
Co2 Accuracy	0-40 mm Hg (±2 mm Hg) 41-70 mm Hg (±5% of reading) 71-100 mm Hg (±8% of reading) 101-150 mm Hg (±10% of reading)
DISPLAY	
Type	Color TFT Display
Size	15" Diagonally
Resolution	1024 x 768 dots
ELECTRICAL	
Power input	90 - 270 V AC, 50-60 Hz
Inbuilt battery type	Li-Ion
Battery rating	11.1V, 4000mAh
Charging time	8 - 10 hours
Operating time	> 2 hours
Power consumption	< 35 W
GENERAL	
Dimensions	360(L) x 140(W) x 340(H) mm
Weight	3.5 Kgs Max.
Operating temperature	upto 40 degree C
Storage room temperature	upto 55 degree C
Relative Humidity	upto 90% Non-condensing

Features:

- Large 15" color TFT display
- Adult/ Pediatric/ Neonate application
- 11 channel configurable waveform display
- 96 hrs trend for ECG/ SPO2/ Respiration/ Temperature/ EtCo2/IBP and 100 NIBP readings
- Drug Calculation
- Printing to external printer
- 30 minutes ECG review
- Wired/Wireless Connectivity



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