

ISO 9001, 13485, 14001, 45001 COMPANY



ADVANCE HEALTH CARE SOLUTIONS

MANN ELECTRONICS INDIA PVT. LTD.

website : www.mannindia.com

Follow us :     



FOR ENQUIRY CONTACT : +91-8005852324, 7850015189. DISTRIBUTOR / DEALER ENQUIRY SOLICITED. SPECIAL PRICE FOR DEALERS. CONTACT : +91-9950570650

Index

•	COMPANY PROFILE	1
•	INFRASTRUCTURE & TEAM	2
•	AWARDS & ACCOLADES	3
•	OUR PRESTIGIOUS CUSTOMERS	4
•	OXYGEN CONCENTRATOR	5
•	FINGER TIP PULSE OXIMETER	6
•	PORTABLE AND SMALL HAND HELD OXIMETER	7
•	TABLE TOP PULSE OXIMETER	8
•	THERMOMETER/ DIGITAL THERMOMETER/ GLUCOMETER	9
•	COMPRESSOR NEBULIZER/ MESH NEBULIZER/ULTRASONIC NEBULIZER	10
•	SPHYGMOMANOMETER (AUTOMATIC BP MONITOR)/ STETHOSCOPE	11
•	ECG	12
•	MULTIPARA MONITOR	13-14
•	MULTI FUNCTIONAL DEFIBRILLATOR/MONITOR	15
•	CENTRAL MONITORING SYSTEM (CMS)	16

NOTE

COMPANY PROFILE



Established in 1978, **MANN** is a leading manufacturer of Medical Devices & Electronic components/ products in India. Spread over 150000 sq. ft. area, it has a dedicated pool of qualified professionals to deliver standard and customized products to a wide range of customers. Mann India has a host of quality/process approvals from CACT, MNC's, DOT, Defence, UL, CE, ISI/BIS, FDA etc. With a host of Quality Certifications e.g., ISO 9001, 14001, 45001 and 13485, the management system is geared for excellence in QCDA (Quality, Cost, Delivery, Quick Action). We have also implemented world class systems like: JIT, TQM, FMEA, PPAP, 8D, 4W2H etc.

MANN's Medical Device Division manufactures a host of premium products such as Oxygen Concentrator, Infrared Thermometer, Pulse / HH / TP Oximeter, BIPAP, CPAP, ECG Machine, Nebulizer, BP Monitor, Biphasic Defibrillator, Multi Parameter, Ventilator, Foggers for Disinfection etc.

Our **valued customers** spread globally include the best in class: Corporates (HCL, Toyota, Ford, TVS, Ericsson, Airtel, Nokia, SAIL, BHEL, IMCR, CFCL, DSC, India Mart, NTPC, ISRO, HAL etc.), Govt Hospital, Colleges and Medical Corporations (AIIMS, FCI, SMS, Kota New Medical College, Indian Railways Hospital, Indian Navy, Indian Army / RMSCL, JKMSCL, UPMSCL, MPSC, KMSCL, TNMSCL etc.), Private Hospitals (Apollo, Fortis, HLL Life Care etc.) and other customers like Schneider, L&T, Luminous Power, Siemens etc.

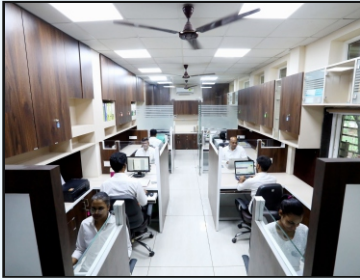
The company has all the modern facilities for manufacturing medical devices and electronic components/products from Design Section, Tool Room, Press and Moulding Shop, IT Department, Quality Control and Assembly lines equipped with state of the art machinery and equipment.

Backed by our team, processes and state of the art technology, **MANN** has established itself as the supplier of choice for premium medical products and is all set to expand its footprints in global markets.

WE ARE COMMITTED TO SUPPORT HEALTHY LIVING BY GIVING BEST VALUE PRODUCTS.



INFRASTRUCTURE AND TEAM



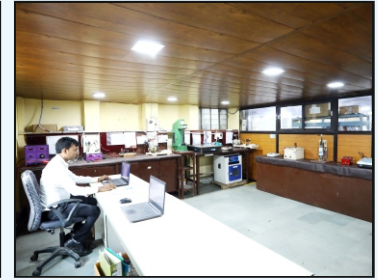
CORPORATE OFFICE



**FULLY EQUIPPED MODERN
CONFERENCE ROOM**



**DESIGN SECTION HAVING VMM,
WIRECUT, SOFTWARES ETC.**



**STATE OF ART QUALITY CONTROL DEPARTMENT
WITH SKILLED TECHNICAL AND DESIGN TEAM FOR
INNOVATIVE DESIGNING, TESTING AND IMPROVEMENT**

QUALITY POLICY

To provide value products which satisfy customer in Quality, Reliability, Performance and Durability. To strive continuously to improve quality through Kaizen, employee safety & motivation, continual improvement through QMS, carrying out innovation, leveraging, technologies, and competencies. We are committed to produce and supply on time products of best quality as per product standards which satisfy applicable requirements for customer delight.

MAIN PRODUCTS

MANN is the leading manufacturer of high quality medical devices conforming to the stringent national and international standards such as CE, FDA, MDR (2017) etc. List of our product range is mentioned below :

- Oxygen Concentrator 5 Ltr Single & Dual
- Oxygen Concentrator 10 Ltr Single & Dual
- Pulse Oximeter
- Hand Held Pulse Oximeter
- Table Top Pulse Oximeter
- Thermometer
- Digital Thermometer
- Nebulizer
- Blood Pressure Monitor
- BIPAP
- CPAP
- ECG
- Ventilator
- Multipara Monitor
- Biphasic Defibrillator
- Fogger Gun
- Stethoscope
- Glucometer



**FULLY EQUIPPED TOOL ROOM WITH
CNC, EDM, VMC, GRINDERS ETC.**



**CLOSED LOOP CNC CONTROLLED
MOULDING MACHINES**



**ASSEMBLY LINE AS PER INTERNATIONAL
& APPROVED STRINGENT PRODUCT /
PROCESS STANDARDS**



**ASSEMBLY LINE WITH PRODUCTS /
PROCESS CONTROL LIKE PPAP, FMEA,
TQM, KAIZEN ETC.**

AWARDS & ACCOLADES



**Best Case Study Award
by Schneider**



**Business Achiever Award
by Industry Minister for
Business Growth & New Development**



**Supplier Appreciation Award
from Bharti Telecom, Airtel**



Business Partners Meet Award



**Award for Achievements
through Digital Transformation**

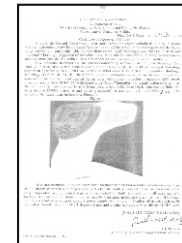


**Numerous Awards
by Customers for Excellence.**

CERTIFICATES



MDR 2017



LEGAL METROLOGY



**ISO 9001, 13485,
14001, 45001**

Supplier	Duns	Supplier's L...	Vendor...	Com...	Country
mann e					
MANN ELECTRONICS	92020...	Sanjay R.		G5	INDIA
Commodity				SAM Decision	
SURVEYS					
G5 - ELECTROMECHANICAL RELAYS, FUSES & FUSES HOLDERS, FANS & ELECTRICAL MOTORS				Temporary Approved - (12/06/19)	

Schneider Global Supplier Approval



Best Customer Centric Supplier Award

EVENTS



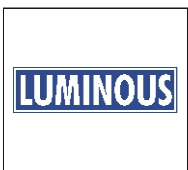
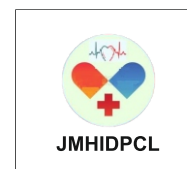
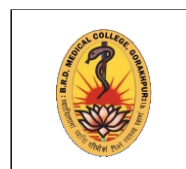
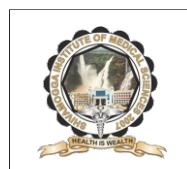
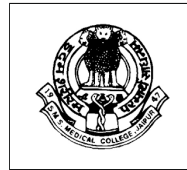
Managing Director, **Mann Electronics** presenting on investment opportunities in India at Munich, Germany on behalf of Electronics and Computer Software Export Promotion Council (ESC), Sponsored by Government of India



Presence in International exhibitions like Electronica Munich, EDS Las Vegas etc and Domestic exhibition like Electronica, Eleccrama, EFY, Medical etc.



OUR PRESTIGIOUS CUSTOMERS



OXYGEN CONCENTRATOR



- PSA (Pressure Swing Adsorption) Technology.
- Rotary Poppet Valve
- Lithium molecular sieve, to ensure its precision.
- GSE Air compressor, low noise (<45dB), low power consumption, light weight.
- Three filters in the machine, the air filter, cotton air filter, bacterial filter.
- Machine starts fast, MANN's oxygen concentrator can obtain high purity oxygen within 2 minutes.
- Low oxygen indicator, Yellow below 82%+3% Red below 72%
- Operating temperature of machine : 0-55 degree.



SINGLE FLOW OUTLET

MN-1024-5TJ Single & Dual

Flow Rate	1-5LPM	Optional	Nebulizer/Pulse Oximeter
Display	LCD	Alarm	Low O ₂ Indicator, Power Failure alarm, High & Low Pressure alarm, Auto shutoff on High Temp.
Purity	93±3%		
Outlet Pressure	40 kPa- 60 kPa (5.8 - 8.7 psi)	Packing Size	470mm×370mm×590
Sound Level	≤ 45dB	Device Dimension	400mm×300mm×540mm
Power Consumption	300 W	Weight	14.5 kg (Net), 15.7 Kg (Gross)
Working Voltage	220V~±10%, 50 Hz ± 1 Hz,		
Highest Flow Rate	5 LPM		



DUAL FLOW OUTLET

MN-1024-10A Single & Dual

Flow Rate	1-10LPM	Optional	Nebulizer/Pulse Oximeter
Display	LCD	Alarm	Low O ₂ Indicator, Power Failure alarm, High & Low Pressure alarm, Auto shutoff on High Temp.
Purity	93±3%		
Outlet Pressure	40 kPa- 60 kPa (5.8 - 8.7 psi)	Dimension	400mm×300mm×450mm
Sound Level	≤ 45dB	Packing Size	470mm×370mm×590mm
Power Consumption	650 W	Weight	20.5 kg (Net), 22.7 Kg (Gross)
Working Voltage	220V~±10%, 50 Hz ± 1 Hz,		
Highest Flow Rate	10 LPM		



SINGLE FLOW OUTLET

MN-1024-5B

Flow Rate	0-5L/min
Display	LED Display / Remote Control
Oxygen Purity	92±2%
Power Consumption	300 W
Output Pressure	0.03-0.05 MPa
Voltage	AC 220V 50Hz 0.5A
Sound Level	≤ 55dB
Alarm System	Hypoxic Alarm / Low Pressure Alarm / Error Alarm / Power Failure Alarm.
Packaging	430 x 380 x 675 mm
Weight	16.3 kg (Net)/18 kg (Gross)

MN-1024-10B

Flow Rate	0-10L/min
Display	LED Display / Remote Control
Oxygen Purity	92±2%
Power Consumption	650 W
Output Pressure	0.03-0.05 MPa
Voltage	AC 220V 50Hz 0.5A
Sound Level	≤ 55dB
Alarm System	Hypoxic Alarm / Low Pressure Alarm / Error Alarm / Power Failure Alarm.
Packaging	430 x 380 x 675 mm
Weight	20 kg(Net)/23 kg (Gross)

FINGER TIP PULSE OXIMETER

LIGHT
WEIGHT

PORTABLE AND SMALL, ONE-PRESS MEASUREMENT, CONVENIENT TO CARRY



One-Key Measurement



Small Portable



Auto Rotation



MN-1013-A (Blue & Black)

SPO ₂ / Pulse Measurement Range	0-100 % / 30 - 250 bpm
SPO ₂ Measurement Accuracy	70% - 100% ± 2%, below 70% unspecified
Pulse Measurement Accuracy	± 2 bpm or ± 2% Select Larger
Pulse Indication	Histogram/ Bar Graph Display,
Battery Type	Alkaline Batteries, 1.5V (2xAAA Size)
Display Type	LED/TFT Display, 360° Rotation, SPO ₂ , PR, 2/4 Colour Display
Shut off	Automatic
Product Dimension	57 (L) x 31 (W) x 32 (H) mm.
Weight	30 g (with battery)

MN-1013-C

SPO ₂ / Pulse Measurement Range	70-99 % / 30 - 240 bpm
SPO ₂ Measurement Accuracy	± 2 % on the stage of 70%-99%, Unspecified (≤ 70%)
Pulse Measurement Accuracy	± 1 bpm
Pulse Indication	Histogram/Bar Graph Display
Battery Type	Alkaline Batteries, 1.5V (2xAAA Size)
Display Type	OLED Display, 360° Rotation, SPO ₂ , PR, RR, PI, 2/4 Colour Display
Shut off	Automatic
Product Dimension	60 (L) x 35 (H) x 35 (W) mm.
Weight	54 g (with battery)



Low Energy Consumption

MN-1013-D & MN-1013-F

SPO ₂ / Pulse Measurement Range	70-99 % / 30 - 240 bpm
SPO ₂ Measurement Accuracy	± 2 % on the stage of 70%-99%, Unspecified (≤ 70%)
Wave Form	Plethysmogram
Pulse Measurement Accuracy	± 1 bpm or ± 1%
Pulse Indication	Histogram/Bar Graph Display
Battery Type	Alkaline Batteries, 1.5V (2xAAA Size)
Display Type	OLED Display, 360° Auto Rotation, SPO ₂ , PR, PI, 2/4 Colour Display
Sound Beep	Yes
Product Dimension	60 (L) x 35 (W) x 35 (H) mm.
Weight	50 g (with battery)



Accurate Reading



Auto Shutdown in 5s

MN-1013-L

SPO ₂ / Pulse Measurement Range	70-99 % / 30 - 240 bpm
SPO ₂ Measurement Accuracy	± 2 % on the stage of 70%-99%, Unspecified (≤ 70%)
Pulse Measurement Accuracy	± 1 bpm
Pulse Indication	Histogram/Bar Graph Display
Wave Form	Plethysmogram
Battery Type	Inbuilt Lithium Batteries
Display Type	OLED Display, 360° Rotation, SPO ₂ , PR, PI, 2/4 Colour Display
Charging	Type C interference Charging
Product Dimension	58 (L) x 36 (H) x 33 (W) mm.
Weight	N.W. : 17.5gm G.W. 47 gm.

HAND HELD PULSE OXIMETER PORTABLE AND SMALL



MN-1014 - B1

SpO ₂ Range	0-100%
SpO ₂ Accuracy & Resolution	± 2 at 70-100, < 70% undefined & 1%
Pulse Rate Range	30-250 bpm
Pulse Rate Accuracy & Resolution	±2 at 30-350 bps & 1 bpm
Display	2.8" TFT / LCD / LED Display,
Type of Patients	Adult, Pediatric, Neonatal
Mode	Spot check, Record, Monitor
Alarm & Notification	Audio and Visual alarms, High/Low Saturation, Pulse Rate, Sensor off, Storage full, Low battery
Standard Accessories	Adult finger clip SpO ₂ Sensor, USB Cable
Power Supply	100-240 VAC, 50Hz four standard "AA" Alkaline & Rechargeable Battery
Weight	258g / 280g



MN-1014 - B2

SpO ₂ Range	0-100%
SpO ₂ Accuracy & Resolution	± 2 at 70-100, < 70% undefined & 1%
Pulse Rate Range	30-250 bpm
Pulse Rate Accuracy & Resolution	±2 at 30-350 bps & 1 bpm
Respiratory Rate & Accuracy	3-150 bpm & ±1 Breath
Display	3.5" TFT/LCD/LED Display,
Type of Patients	Adult, Pediatric, Neonatal
Mode	Spot Check, Record, Monitor
Standard Accessories	Adult finger Clip SPO ₂ Sensor, Main Unit, USB Cable
Optional Accessories	Neonate SpO ₂ Sensor, Pediatric SpO ₂ Sensor, Adaptor, Protective Cover, Data Analysis Software)
Power Supply	100-240 VAC, 50Hz, four standard 400 mAh lithium & Battery
Weight	258g/ 280g (With Battery)



MN-1014 - B3

SpO ₂ Range	0-100%
SpO ₂ Accuracy & Resolution	± 2 at 70-100, < 70% undefined & 1%
Pulse Rate Range	30-250 bpm
Pulse Rate Accuracy & Resolution	±2 at 30-350 bps & 1 bpm
Respiratory Rate & Accuracy	3-150 bpm & ±1 Breath
Display	3.2" TFT/LCD Touch Screen
Type of Patients	Adult, Pediatric, Neonatal
Mode	Spot Check, Record, Monitor
Standard Accessories	Adult finger Clip SPO ₂ Sensor, Main Unit, USB Cable
Optional Accessories	Neonate SpO ₂ Sensor, Pediatric SpO ₂ Sensor, Adaptor, Protective Cover, Data Analysis Software)
Power Supply	100-240 VAC, 50Hz, four standard 400 mAh lithium & Battery
Weight	258g/ 280g (With Battery)



TABLE TOP PULSE OXIMETER



Accurate



SpO₂, PR & PI



Adjust Volume



Adjust Brightness



Alarm



Light Weight

MN-1014-C1-A

Type of Pulse Oximeter	Table Top Pulse Oximeter	Optional Parameter (RR/NIBP/ECG/TEMP/ETCO ₂)	
Type of Patients	Adult, Pediatric, Neonatal	Respiratory Rate	0-120 breaths per minute
SPO ₂ Range	0%-100%	NIBP Range	SYS 10-280 mmHg, Dia 20-280 mmHg, Pulse 30-250 bpm
Pulse Rate Range	30-250 bpm	NIBP Method	Oscillometry
Display	7" LCD/TFT Screen plethysmograph with trends SPO ₂ , PR,PI/ RR/PVI	ECG Range	20-350 bpm
Trend Data	120 hrs	Temp. Channel	2
Optional	Software / Probe-Pediatric/Y-Clip	Temp. Range	0-50°C
Power Source	Inbuilt rechargeable battery, Mains 220-240V, 50Hz AC	ETCO ₂	Main Stream/Side Stream
Alarm	Visible and audible signals	Reusable	SpO ₂ Probe, NIBP Cuff, Temp Sensor
Connectivity	RS 232/ Connected to CMS/Ethernet Port	Disposable	ECG Electrodes
		Display of ECG	Trend Graph of HR & ST

MN-1014-C1-B

Type of Pulse Oximeter	Table Top Touch Screen	Optional Features	✓ SpO ₂ , PR, RR, NIBP, Temp.
Type of Patients	Adult, Pediatric, Neonatal		✓ EtCO ₂ (Tinistream)
SPO ₂ Measurement Range	0%-100%		✓ Sidestream,
Pulse Rate Measurement Range	25 bpm~250 bpm		✓ Externalstream
Optional Features	NIBP, ETCO ₂ Main Stream/Side Stream, Temp.		✓ Mainstream
Data Storage	72 hours		
Display	5"TFT Colourful Display (Touch Screen) Plethysmography waveform, SPO ₂ , PR,PI/ RR/PVI		
Mode of Measurement	Manual, Automatic, Continuous Measurement		
Connectivity	RS 232/ Bluetooth/ Connected to central monitor via RJ45/ Ethernet Port		
Alarm Type	Pulse strength, battery status, connection status, Audio/ Visual Indicators		
Battery	In-built Rechargeable Lithium Battery (11.1 Vd.c.2200mAh)		
Dimension	260×140×95mm		

STETHOSCOPE

MN-1035-A

Type	Single Head
Use for	Adult/Pediatric
Chestpiece Material	Aluminium
Diaphragm	Normal
Chest Piece Diameter	30 & 46 mm,
Chest Piece	Laser (Optional)
Y tube	PVC, 600mm, Multicolor
Binaural Material	Aluminium/Stainless steel
Binaural Spring	Outside
Ear Tip	Soft
Weight	100gm.

MN-1035-B

Type	Double Head
Use for	Adult/Pediatric
Chestpiece Material	Aluminium
Diaphragm	Normal
Chest Piece Diameter	46mm
Chest Piece	Laser (Optional)
Y tube	PVC, 600mm, Multicolor
Binaural Material	Aluminium/Stainless steel
Binaural Spring	Outside
Ear Tip	Soft
Weight	130gm.



SINGLE HEAD STETHOSCOPE



DOUBLE HEAD STETHOSCOPE

THERMOMETER



- INFRARED**
- Non-Contact**
- Fast**: Measure body temperature within 0.5 seconds
- 0.5s**
- Fever alarm**: Automatic alarm at $\geq 38^{\circ}\text{C}$
- Accurate**: Accurate to $\pm 0.2^{\circ}\text{C}$
- Large screen display**: Backlight clear reading
- Measure body temperature**
- Measure room temperature**
- Measure Object temperature**

- Approval as per legal Metrology Act 2009/11
- One year warranty
- US-FDA & CE Approved.
- Company having ISO 9001:2015, ISO 13485:2016 & ZED
- All IR thermometers Calibration linked with National Accreditation Board for Testing and Calibration Laboratories (NABL), India.
- Stronger and technically better sensor with more measuring distance upto 15 cm.
- Give correct reading even in peak summer.

MN-1022 - A66

Working Voltage	DC3V	Body Temperature	32.0°C - 42.2°C (89.6°F - 108.0°F)
Battery	AAAx2	Object Temperature	0°C - 100°C (32°F - 212°F)
Battery Life	20000 Times	Accuracy	$\pm 0.30^{\circ}\text{C}$ / $\pm 0.60^{\circ}\text{F}$
Operation Mode	Continuous Work	Intelligent Fever Alarm	$37.5^{\circ}\text{C} < t \leq 42.2^{\circ}\text{C}$ (99.5°F - 108°F)
Display Mode	LCD Screen	Repeatability	$\pm 0.1^{\circ}\text{C}$
Backlight	Green or White	Memories	32 Data
Measuring Time	0.5s	Auto Off Time	10 seconds $< t \leq 42^{\circ}\text{C}$ (99.5°F - 108.0°F)
Measuring Distance	5-15cm		
Temperature Modes	$^{\circ}\text{C}$ / $^{\circ}\text{F}$		



Rigid Tip **Flexible Tip**



DIGITAL THERMOMETER

MN-1023

Mode of Operation	Direct Mode (Oral, Underarm or Rectal Use)	Battery	1.5 VDC (Button battery LR41)
Colour	Blue	LCD Size	2x0.8 cm
Accuracy	$\pm 0.1^{\circ}\text{C}$ (35.5°C ~ 42.0°C)	Display	LCD 4 digits
Measuring Time	About 1 Minute		Mercury Free, Water Proof, Auto Shut off
Measuring Range	32.0° to 42.0°C / 89.6°F to 107.6°F	Product Size	$12.8 \times 1.9 \times 1\text{cm}$
Memory	Last Measuring Memory Function	Material	ABS, Soft Gum Shell, Flexible/ Rigid Probe Design, Waterproof and Break-Resistant
Voice	Fever Alarm Function		
Sensor Type	Thermostat		

GLUCOMETER

MN-1032

Technology	Bio Sensor Technology, Painless Testing	Memories	500 Adjustable lancing device
Sample Size	0.5 Microliter Blood Sample, Fast result, Strip Ejector	Standard	Blood Glucose Strips 10 pcs,
Glucose Range	20-800mg/dL	Accessories	Blood Lancet Device 1 pcs, Instruction Manual ,Box

COMPRESSOR NEBULIZER



MN-1025

Input	220V/50Hz 120V/60Hz	Compressor Pressure	30-45 Psi
Power Consumption	180VA	Operation Pressure	12-14.5 Psi (0.85-1.1 bar)
Medication Capacity	6 ml	Liter Flow Range	8~10 lpm
Particles Size	Respirable Fraction 0.5 mm 80%	Dimension	140 x 136 x 97mm
MMAD	3-5μm	Weight	1.6 Kg
Average Nebulization Rate	Above 0.3 ml/min	Standard Accessories	Medicine Cup, Adult & Child Mask, Mouth Piece, Air Tube, Filter
Sound Level	Below 60dB		



MN-1025 A

Input	220V/50Hz 120V/60Hz	Compressor Pressure	30-45 Psi
Power Consumption	180VA	Operation Pressure	12-14.5 Psi (0.85-1.1 bar)
Medication Capacity	6 ml	Liter Flow Range	8~10 lpm
Particles Size	Respirable Fraction 0.5 mm 80%	Dimension	180 x 180 x 100mm
MMAD	3-5μm	Weight	1.6 Kg
Average Nebulization Rate	Above 0.3 ml/min	Standard Accessories	Medicine Cup, Adult & Child Mask, Mouth Piece, Air Tube, Filter
Sound Level	Below 60dB		



MN-1025 B

Input	220V/50Hz 120V/60Hz	Sound Level	Below 60dB
Power Consumption	180VA	Compressor Pressure	30-45 Psi
Medication Capacity	6 ml	Operation Pressure	12-14.5 Psi (0.85-1.1 bar)
Particles Size	Respirable Fraction 0.5 to 5mm 80%	Liter Flow Range	>12 LPM
MMAD	3-5μm	Dimension	223 x 150 x 105mm
Average Nebulization Rate	Above 0.3 ml/min	Weight	1.4 Kg
		Standard Accessories	Medicine Cup, Adult & Child Mask, Mouth Piece, Air Tube, Filter



MN-1025 C

Type	Ultrasonic Nebulizer	Ultrasonic frequency	1.7MHz
Max. Nebulizing Rate	≥2l/min	Optional	Stand
Medicine Cup Capacity	50ml	Power Supply	220-230V/50-60Hz
Setting of Nebulization time	0 to 60min.	Product Size	250×150×225
Noise Level	<50dB	Weight	1.83kg.



MN-1025-2A

Type	Mesh Nebulizer	Input	DC3V (2*1.5V AA Battery) Or USB DC5V
Medicine CUP	10mL	Power	<2W
Atomization Speed	>0.25ml/min.	Power Supply	2AA Batteries or USB Cable
Medicine Liquid Temp.	≤41°C	Standard Accessories	Main Unit, Medicine Bottle, Mouth Piece, Adult Mask, Child Mask
Fog Particle Medial Diameter	5 μm ±25%	Weight	97gm.
Max water temperature	<50.C		
Auto Shut-down	in 20 minutes		
Sound Level	<50dB		

SPHYGMOMANOMETER (AUTOMATIC BLOOD PRESSURE MONITOR)

MN-1015-A



Type of Sphygmomanometer	Digital Display	Inflation	Automatic Pressure
Display	3" LCD	Deflation and Rapid Air Release	Application by pump
Measurement Method	Oscillometer Method	Cuff Range	Automatic Pressure Release Valve
Pressure Measurement Range	1~295 mmHg	Power Source	Small/Medium/Large
Pressure Measurement Accuracy	< ±3 mmHg (±0.4kpa)	No. of Memories	AAA Batteries 4Pcs/DC 5V 500mA
Pulse Measurement Range	40 to 160 beats per minute	Auto Shutdown	2 Persons × 99
Pulse Accuracy	±5%	Optional	60-90 Sec.
Pressure Time	<60 sec.	Standard Accessories	Support Voice Broadcasting
		Optional Accessories	Device, Cuff, Manual
			Charging Cable

MN-1015-B



Type of Sphygmomanometer	Digital Display	Inflation	Automatic Pressure
Display	4.4×3.3cm, LCD, Back Light Display	Deflation and Rapid Air Release	Application by Pump
Measurement Method	Oscillometer Method	Cuff Range	Automatic Pressure Release Valve
Pressure Measurement Range	0~280mmHg	Power Source	Small/ Medium/ Large
Pressure Measurement Accuracy	±3 mmHg (±0.4kpa)	No. of Memories	AAA Batteries 4 Pcs/ DC 5V
Pulse Measurement Range	40 to 195 beats per minute	Auto Shutdown	2 Persons × 99
Pulse Measurement Accuracy	±5%	Optional	60-90 Sec.
Pressure Time	<60 sec.	Standard Accessories	Support Voice Broadcasting
		Optional Accessories	Device, Cuff, Manual,
			Charging Cable

MN-1015-C



Display	12.2cm., Large LED Display	Measurement Method	Blood Glucose	Electrochemical Biosensor
User	Dual	Enzyme type		GOD
Cuff	Small/Medium/Large	Measurement Range		20-600mg/DL(1.1-33.3mmol/L)
Measurement Method	Oscillometer Method	Accuracy		±15 mg/dL if < 100 mg/dl
Pressure Measurement Range	0~280mmHg			±15% if > 100 mg/dL
Pressure Accuracy	±0.4kPa (3mmHg)	Test time		8 sec
Pulse Range	30 to 180 beats per minute	Blood sample size		0.8uL
Pulse Accuracy	±5%	Memory		180 memories
Pressure Time	<60 sec.		Uric Acid	
No. of Memories	2 Persons × 99	Measurement Method		Electrochemical Biosensor
Power supply	4*AAA alkaline batteries or USB cable	Measurement Range		180~1190umol/L or 3~20mg/DL
Weight	223gm.	Accuracy		Deviation within ±20%
		Blood Sample Size		1.6uL
		Test time		10 sec
		Memory		50 memories

MN-1015X



Type	Professional Digital blood pressure monitor	Working Voltage	DC 6V(4AA batteries)
Measurement method	Oscillography + Auscultatory	Normal Working environment	
Measurement Pressure	0mmHg~295mmHg (0.0kPa~39.33kPa)	Tempeperature	5°C~40°C
Pulse Rate:	40~200 beats/min	Relative humidity	15%~80%RH
Maximum allowable error	±3mmHg (±0.4kPa)	Air Pressure	80kPa~105kPa
Resolution	1mmHg/0.1kPa	Memory number	2×99 sets
		Applicable arm circumference	22cm-32cm
		Product Size	174.5mm(L)×143mm(W)×60mm(H)
		Net Weight	About 500g

ECG



- 12/6/3 Channel, printout format.
- Waveform measurement and interpretation.
- Simultaneous 12 lead acquisition.
- LCD Display/touch screen.
- Memory for recall and duplication.
- Operated by AC Rechargeable battery.



Main Interface



ECG Waveform Freezing and Review



FOLDING
 DISPLAY



MN 1028-1A / 1B

Channel	12 Channel	Power Supply	AC : 100~240V, 50/60Hz, 30VA~100VA, DC: 14.8V/2200mAH, built-in lithium battery
Display	6" - Foldable / 9.7" Touch Screen	Recording Mode	Thermal Printing System
Print Format	Z Fold Paper (210 x 30mm/20mm)	Standard Accessories	Patient Cable, Limb Electrodes (4pcs/set), Chest Electrodes (6pcs/set), Power Cord, Grounding Cable, Paper Shaft, Recording Paper, Spare Fuses, In-built Battery, Manual
Comm. Interface	Ethernet, RS232 / RJ45, USB		
Battery	Rechargeable Battery Supporting 100 Exams After Complete Charging	Dimension (Package)	510 x 410 x 230 mm for 1Set 345 x 195 x 430 mm for 1 Set
Support	USB, RS232, Wifi/, USB, SD Card, RJ45	Weight	8 kg.
Memory	500 Exam in Memory for Recall and Duplication		

MN 1028-2A / 2B

Channel	6 Channel	Recording Mode	Thermal Printing System
Display	5" Colour TFT LCD/ 7" Colour Touch Screen	Power Supply	AC: 100~240V, 50/60Hz, 30VA~100VA
Technology	Digital Isolation Technology and Digital Signal Process	Print Format	Thermal Printer (112mm x 20M, Roll)
Sampling Rate	1000Hz	Dimension	310 x 270 x 730 mm, 320 x 250 x 170mm
Battery	14.8V Rechargeable Battery	Weight	2 kg /2.8 kg
Comm. Interface	USB, SD Card, Wifi (Optional)		

MN 1028-1A / 1C

Channel	12 Channel	User Interface	Manual, Tracing Facility of Printout
Display	7", 10", 12" TFT/LCD Touch Screen/ Functional Button	Date format	DICOM, XML & PDF, JPG (Optional)
Heart Rate	30 to 250 bpm	Standard Accessories	Patient Cable, Limb Electrodes (4pcs/set), Chest Electrodes (6pcs/set), Power Cord 1.7 mtr./3mtr. Grounding Cable, Paper Shaft, Recording Paper, Spare Fuses, In-built Battery, Manual
Mode	Automatic, Manual, Rhythm		
Accuracy	±5bpm	Memory	Inter memory supporting ECG data and waveforms store and recall
Noise (in dBA)	<50dB	Battery	Rechargeable battery, ≥2 Hours Backup
Print Format	A4 Size (Z-foldable Paper/ Foldable A4)	Power Supply	220 to 240V, 50Hz
Printer	High Resolution thermal array printer	Weight	5 kgs.
Comm. Interface	USB, SD Card, Wifi (Optional)		
Support	Hi7 Compliant		



MULTIPARA MONITOR



ECG



Respiration



SpO₂



NIBP

Standard Parameter	MN-1031-1	MN-1031-2		MN-1031-3		
SpO ₂	✓	T	C	W	L	E
NIBP	✓	✓	✓	✓	✓	✓
RR/ HR/ PR	✓	✓	✓	✓	✓	✓
ECG 3/5 Lead	✓	✓	✓	✓	✓	✓
Temp.1 / Temp. 2	✓	✓	✓	✓	✓	✓/✓
Thermal Recorder	✓	✓	✓	✓	✓	✓
Optional Features						
Touch Screen	✓	✓	✓	✓	✓	✓
IBP 2/4		✓/✓	✓/-	✓/✓	✓/-	✓/-
Multi Gas	✓			✓		-
12 Leads ECG		✓	✓	✓	✓	✓
CO		✓		✓	-	-
EEG/ICG		✓	-	✓	-	-
Main/side/Microstream EtCO ₂		✓/✓/-	✓	✓/✓/✓	✓/-/✓	✓/-/✓
Central Monitoring System (CMS)		✓	✓	✓	✓	✓
Depth of Anesthesia Ai		-	-	✓	-	-
Invasive Trolley	✓	✓	✓	✓	✓	✓
Wall / Monitor Bracket	✓/-	✓	✓	✓	✓	✓
Li Battery Rechargeable	✓	✓	✓	✓	✓	✓
Wifi		✓	✓		✓	✓
Waveform Review, ST Segment Auto Detection, Arrhythmia Analysis, Drug Dose Concentration Calculation, Respiratory Oxygen Chart						



TEMP



PR



IBP Interface



MN 1031-1

Display
Use For
Applications

ECG Wave Form
Trend Data
Alarm
Connectivity

Battery

Intensive Care/Sub-intensive care

8"/10.4"/12.1"/ 15" Colour TFT/ LCD Screen
Pediatrics, Adult, Neonates
Arrhythmia Analysis and ST Segment Analysis,
Drug Dose Calculation, Visual & Audible Alarm,
Print Trend Data, NIBP, Respiratory O₂ Chart
3 or 5 lead Display
72 hours
72 Audible and Visual Alarm for all Parameter Recall
Wire/Wireless Center Monitoring System,
Applicable to ICU/CCU/etc
In-Built Rechargeable Lithium Battery
(Standard-1hr. Battery, Optional-3hrs/5hrs Battery)



7/8 Channel ECG
Waveform Interface



Big Word Interface



MN 1031-2

Display
Use For
Applications

ECG Wave Form
Alarm
Connectivity

Battery

Sub-intensive care/bedside care

12.1", 15", 18" TFT/LCD Color Touch Screen Display
Pediatrics, Adult, Neonates
Arrhythmia Analysis and S-T Segment Analysis,
Drug Dose Calculation, Visual & Audible Alarm,
Print Trend Data, NIBP, Respiratory O₂ Chart
2-Channel Display
72 Audible and Visual Alarm for all Parameter Recall
Wire/Wireless Center Monitoring System, Applicable
to ICU/CCU/ etc.
In-Built Rechargeable Lithium Battery
(Standard-1hr. Battery, Optional-3hrs/5hrs Battery)



MN-1031-3W

Intensive Care/Sub-intensive care

Display	12.1", 15.6" LED Touch Screen	Application	Adopt digital SpO ₂ Technology (Sense in low perfusion, Hypotension, Shivering and motion)
SpO ₂ Range	0~100%	Connectivity	Wire/Wireless Center Monitoring System,
SpO ₂ Accuracy	70~100%, $\pm 2\%$, <70%, undefined	Support	Diagnosis, Monitoring, Surgery three monitoring modes
Pulse Rate Accuracy	25~250bpm	Standard Accessories	SpO ₂ , 12-Leads ECG, PR, HR, RESP, NIBP, Temp-2
Suitable For	Adult, Pediatrics, Neonates	Protection	Anti-high frequency surgical unit, defibrillation-proof
Standard Parameters	SpO ₂ , 12 Leads ECG, PR, HR, RR, NIBP-2, Temp-2	Battery	In-Built Rechargeable Lithium Battery with 4 hrs. backup full charge
Waveform	12 Waveform (Selected)	Weight	5kg. (including battery, built-in module)
Optional	SpO ₂ , EtCO ₂ , IBP-2, CO, Monitor Trolley		
Trend Data Storage	24×7 hrs. Pace Maker Detection, ST Segment Analysis, Drug Dos Calculation,		



MN-1031-3E

Sub-intensive care/bedside care

Display	10", 12, 15" LED Touch Screen	Application	Adopt digital SpO ₂ Technology (Sense in low perfusion, Hypotension, Shivering and motion)
Suitable For	Adult, Pediatrics, Neonates	Connectivity	Wire/Wireless Center Monitoring System,
SpO ₂ Range	0~100%	Support	Diagnosis, Monitoring, Surgery three monitoring modes
SpO ₂ Accuracy	70~100%, $\pm 2\%$, <70%, undefined	Standard Accessories	ECG Cable, Temp Probe, NIBP Cuff, SpO ₂ Probe, Manual, Power Cord with Device
Pulse Rate Accuracy	25~250bpm	Protection	Anti-high frequency surgical unit, defibrillation-proof
Standard Parameters	SpO ₂ , 3/5 ECG, PR, HR, RR, NIBP	Battery	In-Built Rechargeable Lithium Battery with 4 hrs. backup full charge
Waveform	12 Waveform (Selected)	Weight	4.5kg.
Optional	EtCO ₂ , 12 Lead ECG, IBP-2, Recorder, Monitor Trolley		
Trend Data Storage	24×7 hrs. Pace Maker Detection, ST Segment Analysis, Drug Dos Calculation,		



MN-1031-3L

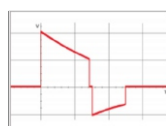
Bedside/General Care

Display	10", 12, 15" LED Touch Screen	Application	Adopt digital SpO ₂ Technology (Sense in low perfusion, Hypotension, Shivering and motion)
Suitable For	Adult, Pediatrics, Neonates	Connectivity	Wire/Wireless Center Monitoring System,
SpO ₂ Measurement Range	0~100%	Support	Diagnosis, Monitoring, Surgery three monitoring modes
SpO ₂ Accuracy	70~100%, $\pm 2\%$, <70%, undefined	Standard Accessories	ECG Cable, Temp Probe, NIBP Cuff, SpO ₂ Probe, Manual, Power Cord with Device
Pulse Rate Accuracy	25~250bpm	Protection	Anti-high frequency surgical unit, defibrillation-proof
Standard Parameters	SpO ₂ , ECG, EEG, RR NIBP, Temp. 1/Temp. 2, ETCO ₂	Battery	In-Built Rechargeable Lithium Battery with 4 hrs. backup full charge
Waveform	12 Waveform (Selected)	Weight	4.5kg.
Optional	SpO ₂ , 12 Lead ECG EtCO ₂ , IBP-2, Recorder, Monitor Trolley		
Trend Data Storage	24×7 hrs. Pace Maker Detection, ST Segment Analysis, Drug Dos Calculation,		

MULTI FUNCTIONAL DEFIBRILLATOR/ MONITOR

- **Display Information** : Heart Rate, Alarm On/Off, Delivered Energy, Alarm Selection & Limits, Delivered Energy
- **Wave Form** : Biphasic
- **Patient Connection** : 3-Lead ECG Cable or 5-Lead ECG Cable, Paddles
- **Heart Rate** : 20-350BPM

Biphasic Technology



Data Storage



Internal Thermal Printers



Paddle



MN-1030-1

Display	8" LCD	Charge Prompts Type	Visual and Voice
Wave Form	Biphasic	Charge time	7 Sec with new fully Charged Battery
Signal	Metronome Signal Synchronizing During CPR	Pulse Type	Rectangular, Constant Current
Energy Display	Selected and Delivered Energy	Alarms	Lead Time, Alarm On/Off,
Energy range	2-360 J Shocks	Standard	ECG, Recorder, Battery, Manual Mode
Energy selection	2,3,5,7,10,20,30,50,70,100,150, 200,250,300, 360 Joules	Optional	Pacer / NIBP / SPO ₂
AED Energy Sequence	150, 200J (Twice) 150, 150, 200J (Three Time) 150,150, 150, 200J (Four Time)	Data Storage	60 Hours all Measured Parameters
Paddle contact	I, II, III, AVR, AVL, AVF, V	Recorder Paper	50mm Thermal (Auto/Manual)
		Battery	12V, Rechargeable Ni-MH Battery
		Power Supply	The Maximum Voltage 1340±50V
		Weight	5 kg
		Dimension	33×24×18 cm



MN 1030-2

Display	7" LCD TFT Screen	Alarms	Heart Rate, Lead time, Alarm On/off, Delivered Energy
Signal	External Synchronous/ Asynchronous Defibrillator	Data Storage	10 Hours ECG Monitoring
Charge time	<10 Sec. to 360 J	Recorder paper	50mm Thermal (Auto/Manual)
Energy range	0~360 J Shocks	Standard	ECG, PR, Defibrillator
Energy selection	0, 5,7,10,20,30,50,100, 200, 300, 360 Joules	Optional	AED / Pulse Oximeter/ Recorder(Printer)
Energy Display	Selected and Delivered Energy	Battery	11.1VDC, Rechargeable Ni-MH Battery
Paddle contact	I, II, III, AVR, AVL, AVF, V	AC Power Supply	110V 60 Hz /220V50 Hz
Standard Paddle	Adult/Pediatric (Integrated)	Dimensions	320 X 205 X 410 (L x W x H)
		Weight	7.5kg



MN 1030-3

Type	Biphasic Truncated Exponential	Paddle contact	Easy to use
Signal	Metronome Signal Synchronizing during CPR	Alarms	Voice Prompts, Visual -LED Prompts
Charge time	8 sec. to 150J, 10sec. to 200J	Battery	Non Rechargeable 12V Dc
Energy range	0-200 J Shocks	Battery capacity	100 Discharges at 200 joules 120 Discharges at 120 to 150 Joules
Energy selection	Automatic Analysis	Dimensions	303 x 216 x 89 (L x W x H)
Energy Display	On/Off Button, Shocks	Weight	2.0kg

CENTRAL MONITORING SYSTEM (CMS)

12"/15"/19" TFT/LED/LCD Display

- ✦ The number of bedside monitors (2,4,8,16, 32) can be switched freely.
- ✦ Up to 64 bedside monitors can be connected.
- ✦ Real-time display and storage of 14-waveform and multi-parameter sent by each bedside monitor, And it can keep synchronous with the bedside monitor.
- ✦ Powerful data review and analysis function
- ✦ Mass data storage.
- ✦ Audible and visible alarm.
- ✦ Optional language: Chinese and English.
- ✦ Multi central monitoring systems and monitors connected can be observed by one central monitoring system.
- ✦ Reports can be printed and converted to PDF files by virtual printer.
- ✦ Sync display of 12-lead ECG.
- ✦ Compatible with all monitors which meet CMS protocol.
- ✦ Up to 32 bedside monitors can be observed simultaneously by the optional dual-screen display, and 16 bedside monitors for one screen.
- ✦ Quick swap bed function.
- ✦ Bidirectional communication.
- ✦ Automatic data storage in case of power failure. (optional, UPS is necessary)
- ✦ Achieves information sharing and communication when connected with PACS.
- ✦ Network mode : 3G, WLAN.

Central Monitoring Stations



Monitor eight critical environment spaces in one centralized location

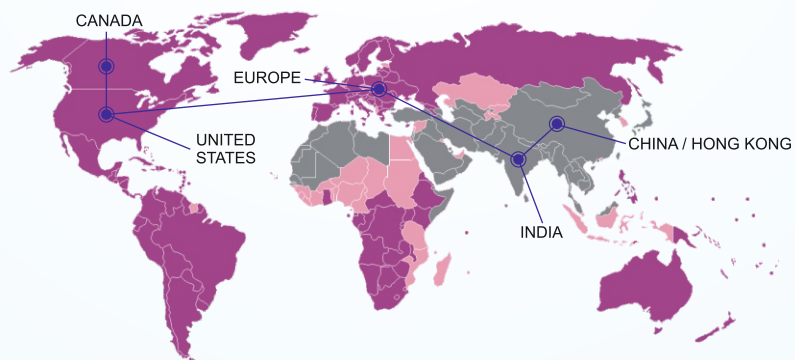


[illegible]



CLOSE TO OUR CUSTOMERS - WORLDWIDE!

MANN has offices located worldwide to provide cost effective solution to customer both locally & globally.



SCAN TO DOWNLOAD

LASERPRINTS INDIA
+91 9829037947



MANN ELECTRONICS INDIA PVT. LTD.

E-55, Road No. 3, Indraprastha Industrial Area, **KOTA, INDIA-324005**

Ph. : 91-0744-2425779, 2980779 | Fax : 91-0744-2980779

Mob. : +91-98875 55889

E-mail : mannelectronics@gmail.com | mkt@mannindia.com

Website : www.mannindia.com

OVERSEAS OFFICES :

UNITED STATES :

8, Creekside Ct, North Brunswick, NJ-08902

Contact : 001-917-856-5211 | E-mail : info@ahtiny.com

CANADA :

54, Bluestone Street, Woodbridge, Ontario L4L 8C7, Canada,

Contact : 001-416-850-8090 | E-mail : satinder100@gmail.com

EUROPE :

Steinbeker Markt-3, 22117 Hamburg Germany

Contact : +49-15786134429 | E-mail : mannelectronics@gmx.de

