



9014-9012 –Modular Monitor Trolley

User's Manual



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Index

1. Introduction	3
2. About this Product	3
3. Definitions	4
4. Safety	4
5. Environmental Specifications	5
6. Electrical Specifications	5
7. Installation	7
8. Operation	8
9. Maintenance & Cleaning	9
10. Warranty & Service	11

INTRODUCTION

About this User Manual

This user manual contains instructions for the proper and safe use of the trolleys, and for patient & user safety and comfort, which has to be strictly followed.

This User Manual has to be read and followed by every person using or handling these trolleys. In case of any query, kindly contact Midmark India Pvt. Ltd.

ABOUT THIS PRODUCT

- Monitor Trolleys have different layers of height adjustable shelves which are used to store/hold display monitors, cameras, VCD, printers, curtis, light source, etc. It has a drawer with a lock for storing valuable equipment. It also has a tube hanger and camera holder for hanging different types of laparoscopic instruments and Cameras respectively
- These trolleys are non-invasive medical devices used for the utility of medical equipment by doctor/medical/paramedical/hospital personnel to help and support them in diagnosis, prevention, monitoring, treatment or alleviation of the disease
- These trolleys are manufactured and supplied in non-sterile conditions for use in a normal hospital environment
- These trolleys are not directly used for any diagnostic, measuring, monitoring or therapeutic purposes or prevent nor alleviate diseases
- All type of trolleys is used to provide assistance and support to medical/ paramedical/ hospital personnel



Trolley Features

Please refer to the 9014-9012 catalogue for the salient features of this product



Technical Data

Please refer to the 9014-9012 catalogue for the technical data of this product



Add-On Accessories

Please refer to the 9014-9012 catalogue for the add-on accessories of this product

DEFINITIONS

Operator

The operator is the person appointed by the owner (i.e. clinic, hospital management, etc.) who will be responsible for the safe operation of these trolleys

User

A user is a person who is capable of assessing the clinical condition of the patient e.g. specialist medical personnel, doctors, nursing staff, attendants, etc. based on their training experience or through the instructions, they are entitled to operate the trolleys on their responsibility or to carry out work on it and can recognize and control possible risks to the patient as well as the trolleys.

Patient

A patient is a person who is ill, infirm, disabled, or in need of medical assistance

SAFETY

In this User Manual, the following safety symbols are used

 **Danger:** This symbol will appear wherever safety instructions are designed to protect people from physical harm. The symbol stands for imminent danger of death or serious injury

 **Caution:** This symbol will appear where situations are described, which might be dangerous, and which might inflict slight injuries

 **Electrical Hazard:** This symbol will appear where situations are described, which might be dangerous and which might inflict slight injuries.

 **Advice:** This symbol will appear in front of additional helpful pieces of advice



A dot in front of the text implies the action that is required to be taken.

Safety Instructions

- Always use original accessories that have been designed and approved for use with the trolleys
- Ensure that the trolleys are assembled and installed following the instructions given in this user manual (wherever required)
- Restrict child visitors without proper attendants. Supervision is necessary to avoid any mishap due to unintended movement of the trolleys
- Ensure that this trolley is moved on a smooth steeples floor without any obstructions in its path, to prevent any inconvenience to user and damage to the ward care accessories and peripherals
- The trolleys are not intended for storing and transportation of bulk material and patients
- Accessories or any devices used along with the trolleys should be as per its intended use specified and approved by Midmark India Pvt. Ltd.
- Keep some gap between walls and the trolleys while in a stationary position and also while moving from one place to another
- Keep the user manual handy with the operator/user for ready reference



The patient should be advised not to sit on edge of any section when it is in extended full-length position

ELECTRICAL SPECIFICATIONS

Main power supply	Nominal 230VAC
Frequency	50Hz (±5 Hz)
Main Fuse	2A fast blow for mains (external)

ENVIRONMENTAL SPECIFICATIONS

Usage, Storage and Transport

Temperature	-10° C to 50°C
Relative Humidity	0% to 95% non-condensing
Atmospheric Pressure	800 to 1060 hPa
Altitude	< 2000m

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Electrical Safety Points

When the Monitor Trolley is connected to 230V115A(or as per country-specific) mains supply –

- Connecting more than one plug to the three-pin mains socket can cause electrical overload and damage the sockets
- AC power supply exceeding 230V or sudden spikes or lack of proper earthing can be hazardous to User1Patient, as well as can cause damage to the Monitor Trolley and property
- Ensure stabilized and properly earthed input power supply for the equipment through a qualified electrician. Also, ensure polarity of the mains socket is as per Standard and matches with the mains plug
- Inspect all the wires and cables for any cuts, cracks, damages at regular intervals

INSTALLATION

1. Unpack all the components carefully.
2. If the packing is drenched by rain, water, or other liquids, inform this matter to the operator
3. Each Trolley is supplied with the following components as per the packing list:

Monitor trolley assembly with cabinet, shelves, railings and handle	- 1No.
Oxygen cylinder cage with twin wheel castors	- 1No.
IV pole with bracket	- 1No.
4. Fix the oxygen cylinder cage to oval support tube with hardware provided
5. Adjust the handle to the desired height by inserting nut in the slot provided in vertical column
6. Shelves can be adjusted to the desired height as per user convenience
7. Insert the IV pole bracket provided in the vertical column

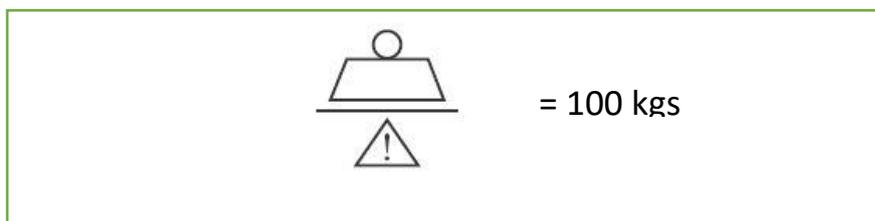


Notify if any damage has occurred during transportation either to the authorized agent or directly to Midmark India Pvt. Ltd.



Disposal of the packing material waste following the local waste disposal regulations prevailing

LOAD BEARING CAPACITY



Do not exceed the safe working load mentioned above

Operation

- Before putting the trolleys into use for the first time ensure that all the transport securing devices and packing film are removed
- Clean and disinfect the trolleys before the first time use
- The trolleys should be used on a flat floor
- The force required to move the trolleys from one place to another with/without patient may vary depending on the flooring conditions
- Each Trolley is provided with one shelf fixed at the top and four adjustable shelves
- One Drawer is provided at the bottom with lock & Key facility
- Against one input power supply, six nos. 15A/ 230V three-pin output sockets with Power on/ off switch and indicator are available to connect the various equipment kept on the upper shelves
- Against second input power supply, one no. 15A/ 230V threepin output socket with power on/ off switch and indicator is available to have direct input connection for critical equipment kept on the bottoms shelf or drawer top
- Both input power supply have their own safety fuse and on/ off switch
- Two stainless steel push handles are provided for easy movement of the trolley on its castors



Do not stretch/ extend the power supply cord from its plug.



After cleanint, ensure that the Trolley is always dry before use



Do not use the trolleys for purposes other than the intended use as it may cause damage to the patient/equipment



With due consideration to environmental limitation, materials used to make the device are not affected by contact with any biochemicals or biowaste when used as per its intended purpose, all materials used in the product and accessories do not facilitate breeding or growth of bio-contaminants on their own.

MAINTENANCE & CLEANING

Maintenance

Each time before putting the trolleys into service the user must check that –

- Lubrication of all the mechanical joints/pins / moving parts / tightening of the bolts should be carried out at least once in three months, to avoid unnecessary sound and wear & tear of the Trolleys
- At regular intervals carry out a visual inspection and check for any mechanical damage (e.g loose / missing rivets, screws, etc.)
- If any damage or malfunction is observed, immediately report this matter to the operator
- If the trolleys is not in use, it should be stored in a dry and rodent free indoor environment on a flat surface with a gradient not more than 5 degrees
- If the trolleys is not in use for a long term, it is necessary to conduct a test to check for functioning and any mechanical damage that may have been caused
- Depending on the usage, certain moving parts may require replacement due to wear & tear. We recommend timely replacement with original spares for safety and trouble-free operation

Cleaning & Disinfecting

- The trolleys are not suitable for machine wash or steam cleaning
- Do not use water jet for cleaning
- The trolleys cannot tolerate the influence of strong solvent, basic or alkaline liquids & caustic agents
- The cleaning agents must not contain any substances which bring about any change in the structure or adhesive property of the plastic
- The trolleys should be properly cleaned and disinfected to avoid infection and stains before allotment to a new patient.
- We recommend the use of approved disinfectant and cleaning agents to clean the trolleys. Take extra care to clean areas that may trap dust or dirt. All detachable accessories and its component can be cleaned separately



Do not expose the trolleys to excessive moisture as corrosion may cause personal injury or equipment damage.

Disposal:



Product and its defective parts especially elements made of plastic, steel, rubber material should be disposed of following the statutory rules and regulations prevailing for such disposal. The user is advised to contact Midmarkindia Pvt. Ltd. for further assistance.

Routine Inspection Check List: Inspection by the User (Recommended Frequency: Every new allotment but not later than three months)

Checks	Observation	Ok	Not ok	Description Of faults
Visual check of the mechanical components				
Main Frame	Damage, Deformation			
Screws and rivets are tightened	Missing/Loose			
Performance check of all mechanical Components				
Electric Shocket & main Cable	Cracks, Loose Connection, Earthing, Damage			
Castors	locking, release Remove cotton thread, Hairs etc. from the axle			
Accessories (Product Specific)	Fastening, Damage, Missing			
Sign	Result of inspection		Date	

Troubleshooting Guide

Problem	Possible causes	Remedy
No power supply in input/output socket	No power supply from source, On/Off switch faulty, Fuse blown, open cable	Check main power source, replace the defective component
Castors (Product specific)	No Braking, No Movement, broken	Repair / Replace Castors

WARRANTY & SERVICE

Midmark India Pvt. Ltd. warrants solely to the end-users of this trolleys that for a period specified in the warranty certificate, such trolleys shall perform as per its intended use. The foregoing warranties shall not apply if the Product has been subjected to:(a) physical abuse, misuse, abnormal use, or use not consistent with Midmark India Pvt. Ltd.'s published directions, (b) any modification by anyone other than Midmark India Pvt. Ltd., or third parties designated by Midmark India Pvt. Ltd., or (c) fraud, tampering, negligence or accidents, depending upon the nature of the products.

Limitation Of Liability: In no event shall Midmark India Pvt. Ltd., be liable or obligated to the end-user in any manner for any special, non-compensatory, consequential, indirect, incidental, statutory or punitive damages of any kind. Including, without limitation. For injury or loss of life, lost profits lost sales. Lost revenue, loss of any software or data. or loss of use of any hardware, software or data, regardless of the form of action, whether in contract, tort, negligence, strict product liability, or otherwise, even if Midmark India Pvt. Ltd., has been informed of or is aware of the possibility of any such damages in advance. Midmark India Pvt. Ltd.'s total aggregate liability under this agreement and in relation to anything which Midmark India Pvt. Ltd., has done or not done in connection with this agreement shall be limited to the price of the products purchased and paid for by the end-user during the period in which such liability arises. The limitations set forth above shall be deemed to apply to the maximum extent permitted by applicable law and notwithstanding the failure of the essential purpose of any limited remedies.

In order to maintain functional safety and right to claim under the warranty only original 'Midmark' replacements parts may be used for ordering replacement parts, customer service request and further question, please contact our technical support department.

Disclaimer

Every effort has been made to ensure that the information in this user manual is valid. Midmark India Pvt. Ltd., reserves the right to change the information in this document without prior notice."

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