

## *Anti-pressure Ulcer*

### TS-10A 4" Alternating Air Mattress & Pump System

Cost Effective – High Specifications / Made in Taiwan

#### Power Unit: Safety Power Saving Aesthetic

1.  **Comfort Setting /Knob Control:**

Automatically provides a suitable alternating pressure according to the selected comfort setting. The air mattress can be easily adjusted to a proper hardness/softness ranging from 1 to 10. Loading weight: 30kg - 120kg.



2.  **Auto Firm Mode (Nursing) Button:**

During nursing, it can be difficult to turn a patient and nurse if the mattress is too soft. This can harden the mattress in the quickest way for easy nursing. However, after 30 minutes, the unit will forcefully resume the setting before the button is pressed in order to protect the patient from the risk of developing pressure ulcers because the mattress becomes too hard. Press the button when necessary.

3.  **Audible Mute Button:**

The alarm becomes audible when Low Pressure Alarm or Power Failure Alarm alerts problem occurrence. The alarm can be muted with this button when it is necessary to turn off the function of alarm sound. To restore the audible alarm function, you have to reset the power switch.

4. **Pressure Monitoring LED Indicator:**

When the LED is flashing, this indicates that the pump is in the process of giving sufficient air to the mattress.

When the LED is lit on, this indicates that the pump is inflating the mattress according to the selected comfort setting.

If the LED is not lit on, this indicates that the mattress has reached to an air pressure according to the selected comfort setting.

- ※ Easy operation & installation
- ※ Safe external dual-fuse design
- ※ 3-PIN detachable power cord
- ※ Alternating inflation & deflation electronically
- ※ Low vibration, low noise, low power consumption
- ※ No acute angle on the entire machine for the utmost safety
- ※ Patented internal mechanism
- ※ Filter foam is visible from the outside and easy to replace
- ※ Sturdy double hook design
- ※ Can be placed vertically/horizontally or hung on a hook.

## Air Mattress: Comfort Ease Durability

※4" mattress, 20 air cells allowing shortened spacing between tubes, and providing more intensive protection for our most critical body parts

※Friction and Shear Prevention Coverlet

※Durable, deformation free & lightweight air cells

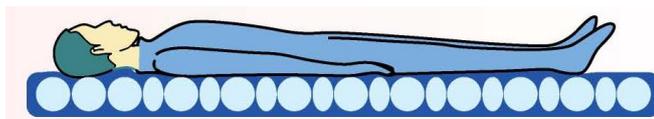
※Patented CPR design

※Large scale elastic bands fixed on four corners

※The Air Tube connected to the power unit is

protected by tube-cover.

※Head end 3 air cells no alternating



Digital Control Power Unit



Dual External Fuse



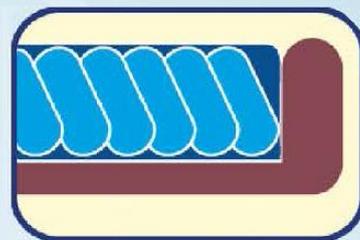
Safety Power Management



Wide Elastic Band for Mounting



CPR Quick Deflation Valve



Air Cells Overlap Closely

## Sleep with comfort and at ease

4" mattress – 20 cells: Entire mattress is constructed with large number of cells

### ■ **The entire mattress has a total of 20**

**Air cells:** More air cells support the body, far more than other 5"- air mattresses that have only 17 or 18 air cells, allowing shortened spacing between air cells, and providing more intensive

protection for our most critical body parts, i.e. the hips and chest. Our bodies will not come into contact with the bottom of the mattress due to excessive spacing of air cells, preventing bedsores.

- **Friction and Shear Prevention Coverlet:** Employs environmentally friendly PU-film that is non-toxic, combined with warp-and-weft woven resilient fabrics that cover your body with a smooth and bump-free PU surface. Skin injury caused by friction or pulling of skin due to sliding or pressure alteration are significantly reduced.

- **Large scale elastic bands fixed on four corners:** The simplest way to fix the air mattress

- with existing sponge mattress.

- **Head end 3 air cells no alternating:** Front 3 Hoses No Alternating Design ensures no alternation at the head end to increase the comfort and security in use.



- **Perfect dimensions:** The length, width and height of the mattress is carefully designed to match the dimensions of most hospital beds, eliminating worries regarding the bed slipping or excessive gaps, which lead to feelings of insecurity.

## Comprehensive Safety Considerations

- **Mechanical shock absorption:** The air inlet to the main compressor may introduce vibration; structurally, the inlet is supported by a suspension system and furnished with external rubber shock absorbers, enabling near perfect isolation of discomfort resulting from the vibration.
- **Power safety management:** Applying for electrical device classification: Class I; the power plug is a 3-pin type, as a computer power cord, and is separable should the power cord detach from the main compressor preventing loss of functions in an emergency when blunt force is applied. Completely conforms with medical device specifications required for hospital use.
- **External double-fuse-holder:** The double-fuse-design ensures safety during long-term operation of the main compressor, eliminating risks of accidental injuries. For the purpose of easy replacement and minimizing risks of cross infections, fuse replacement can be performed by opening the fuse-holder directly from the rear panel of the main compressor.
- **Harbored power switch:** Position of power switch is designed with a recess on the side, therefore no extra protection is needed to prevent accidental touching of the switch in daily operations.
- **External cover of the machine is ABS with V-0fire-classification:** Strict quality control of the injection material eliminates use of recycled materials or materials not fulfilling ABS criteria, ensuring absolute isolation and fire protection.
- **Filter foam is visible from the outside and easy to replace:** It allows direct visual observation of the filter foam from outside the main compressor, to determine if the filter is dirty and requires replacement. Since there is no need to open the main compressor, the risk of cross infection is eliminated.
- **Sturdy double hook:** Sturdy metal material coated with protection film is capable of withstanding accidental external force or severe collision and not fracturing. Ordinary plastic materials cannot withstand such blunt force.
- **No acute angle on the entire machine for the utmost safety:** Prevents human-machine injuries. This is critical for medical-care safety since some patients have delicate skin that is prone to cross infection when in contact with surrounding objects. This is an issue that deserves great attention.

## Commendable thoughtfulness

- **Easy operation of the air mattress and console:** When delivered, air-tubes in the body of the air mattress are already assembled with the bed base and bed cover. All you need to do is to make the bed and connect the pipings with the machine, and it is ready to use by turning ON the green power switch on the TS-105 console. No additional effort is required.
- **Introduction of environment protection concept:** Minimizing physical dimensions of the machine eliminates unnecessary waste of plastic injection parts. All the interior parts fulfill respective specifications and characteristics in terms of durability, to eliminate resource wastage caused by replacing the machine or the mattress. This process also reduces shipping costs during production, saving energy and reducing carbon.

- **Continuously upgrading R&D capabilities:** Retain existing merits, continuously improve defects, enhance collection of clinic information, absorb professional and relevant up-to-date know-how, and consider functional requirements of the product based on the company's value that those most in need should receive the most pampering and care.

* Operation Temperature : 10°C ~ 40°C
* Transport Temperature: -10°C ~ 45°C (14°F ~113°F)
* NO AP/APG

## Specifications

### Control Unit:

◆	Input Power :	AC110V/60Hz or AC220-240V/50Hz
◆	Max. Power Consumption:	10W max
◆	External Fuse:	T1AL/250V
◆	Dimensions:	L26*W8*H13 cm
◆	Weight:	Approx.1.5 kg
◆	Air Flow Rate:	Approx. 3 - 8 LPM
◆	Appliance Category:	Class I, Type BF
◆	Certification:	CE , EN60601,EN60601-1,EN 60601-1-2 , FCC Part 18-Class B

### Air Mattress:

■	Dimensions:	L200*W85*H10 cm
■	Weight:	Approx. 3.8 kg
■	Load:	30 -120kg
■	Air Cell Materials:	Nylon/TPU
■	Base Materials:	Nylon/PVC
■	Mattress Cover:	Nylon/PU
■	Head end 3 air cells no alternating design:	For Head & neck protection
■	CPR	Yes



IPX0



No AP/APG



DOH-MD-(I)-No.002935 DM-10A-EN-V1.0

Manufacturer: True Source Technology Co., Ltd.

Address:4F., No.523, Chung-Chueng Rd., Hsin Tien City, Taipei Hsien 231, Taiwan (R.O.C.)

Tel: +886-2-86671780 Fax: +886-2-86671782

[http://www.truesource.com.tw/air/Products\\_new1.asp](http://www.truesource.com.tw/air/Products_new1.asp)