

Work bench E, 4 E and 4 E FIFO User guide

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## 1. General safety information

The details and information in the user guide are provided solely for the purpose of describing the product and its assembly. The information does not discharge the user from the obligation to carry out his own assessments and checks. It is important to bear in mind that our products are subject to a natural process of wear and ageing.

These notes contain important information that will enable you to use the product safely and appropriately. When sold, rented out or otherwise passed on to another party, this product must be handed over with the user guide.

When installing, operating and maintaining the electrical, height-adjustable work bench, it is important to ensure that all moving elements are secured so that they cannot be switched on and moved unintentionally. Rotating and moving parts can cause serious injury! You must therefore read and follow the safety instructions set out below.

All work on and with the electrical, height-adjustable work bench must be performed with "safety first" in mind.

Switch off the power to the table columns before carrying out any work on the electrical, height-adjustable work bench.

Ensure the table columns cannot be switched on unintentionally, e.g. by affixing warning notices at the activation point or by removing the fuse from the power supply.

Do not place your hand within the operating range of the electrical, heightadjustable work bench's moving parts when it is still switched on.

Fit guards and covers to the moving parts of the electrical, height-adjustable work bench to ensure they are not touched unintentionally.

Observe the regulations pertaining to accident prevention and environmental protection that apply in the country and place of work where the product is being used.

Use only item products that are in perfect working order.

Failure to use original spare parts will invalidate the product warranty! Check the product for obvious defects.

Use the product only within the performance range described in the technical data.

Ensure that all the safety equipment associated with the product is present, properly installed and in full working order.

Do not alter the position of safety equipment, circumvent it or render it ineffective.

The electrical, height-adjustable work bench described here corresponds to the state of the art and takes into account the general principles of safety applicable at the time this user guide was published. Nevertheless, failure to observe the safety instructions and warning notices in this user guide may result in personal injury and damage to property.

We will assume no liability for any resulting damage or injury. We reserve the right to make technical changes that represent technical advances. Keep these installation notes in a place where they can be easily accessed by all users. Observe the directions contained in the main user guide for a system. The general safety information applies to the entire lifecycle of the electrical, height-adjustable work bench.

#### 1. During transportation

Observe the handling instructions on the packaging. Until it is installed, the product must be stored in its original packaging, protected from moisture and damage. Ensure that moving parts are secured when in transit and cannot cause any damage. Suspended loads can fall during transport if load-bearing equipment is not fit for purpose or is incorrectly secured, thus leading to serious injuries (including fatal injuries).

- Keep clear of suspended loads.
- Use lifting tackle with sufficient load-bearing capacity (see delivery paperwork for product weight).
- Carefully secure lifting tackle.
- Attach lifting tackle to the product only at sufficiently stable points.
- Always set down the height-adjustable work bench on a level surface. Observe environmental regulations.

#### 2. During installation

Always deactivate the power to the relevant system part and ensure it is not live before installing the product and/or plugging it in or unplugging it. Ensure the system cannot be switched back on. Lay cables and lines in such a way that they cannot be damaged and do not represent a trip hazard. Avoid areas that pose slip, trip and fall hazards.

#### 3. During start-up

Allow the product to acclimatise for a few hours before starting it up. Ensure that the partly completed machine is securely and safely integrated into the completed machine. Only start up a product that has been installed in full.

#### 4. During operation

Ensure that only persons who have been authorised by the operator have access to the immediate operating area of the height-adjustable work bench. This also applies when the system is not in operation. It must not be possible to actuate moving parts unintentionally. During emergencies, malfunctions or other irregularities, deactivate the height-adjustable work bench and ensure it cannot be switched back on. Ensure that nobody can step below suspended loads and prevent access below the working surface of the height-adjustable work bench. The height-adjustable work bench is not suitable for lifting people.

#### 5. During cleaning

Close all openings with suitable protective equipment to ensure that cleaning agents cannot penetrate the system. Do not use aggressive cleaning substances. Do not use a high-pressure cleaner when cleaning the system.

#### 6. During maintenance and servicing work

Carry out the prescribed maintenance work at the intervals stipulated in the user guide. Ensure that no cables, connections or components are detached or removed while the system is live. Ensure that the height-adjustable work bench cannot be switched back on.

#### 7. During disposal

Dispose of the product in accordance with the national and international regulations that apply in your country.

## 1.1 Correct use

The electrical, height-adjustable work bench is a partly completed machine as defined in the Machinery Directive (2006/42/EC). The electrical, height-adjustable work bench must only be used in accordance with the technical data and safety requirements set out in this document. The electrical, height-adjustable work bench is a technical item of work equipment and is not intended for private use.

If major alterations are made to the electrical, height-adjustable work bench, compliance with the Machinery Directive will need to be renewed and the documentation supplemented accordingly.

The electrical, height-adjustable work bench is a moving device for the separate raising and lowering of the working surface and accessories.

Internal company requirements and the regulations that apply in the country where the product is being used must be observed. You must not make any design modifications to the electrical, height-adjustable work bench yourself. We will assume no liability for any resulting damage or injury.

You may only install, operate and maintain the electrical, height-adjustable work bench if:

- The electrical, height-adjustable work bench is used only in a fixed, stationary location,
- You integrate the electrical, height-adjustable work bench into its surroundings in a proper and safe manner. The operator is responsible for ensuring proper and safe installation,
- You have carefully read and understood the installation guide,
- You are appropriately qualified,
- You are mentally and physically capable of doing so,
- You are authorised to do so by your company,
- You are using only original equipment from the manufacturer.

Unsafe or inappropriate use of the electrical, height-adjustable work bench runs a risk of serious injury through crushing and cuts.

## 1.2 Improper use

Improper use is defined as any use of the product for purposes other than those authorised in the user guide and under the definition of correct use. We will assume no liability for any resulting damage or injury.

## 1.3 Personnel qualifications

Assembly, commissioning, operation, disassembly and maintenance work (including servicing and care) require an adequate knowledge of electrical and mechanical engineering and an understanding of the relevant technical terminology. To ensure operational safety, these activities must therefore be carried out only by a qualified person or by personnel under the instruction and guidance of a qualified person A qualified person is an individual who – by virtue of his or her specialist training, know-how, experience and knowledge of pertinent regulations – is able to assess the work that is assigned to him or her, recognise potential hazards and put in place appropriate safety measures. A qualified person must comply with the applicable specialist regulations.

## 1.4 Warning symbols



Attention, Warning



Information

|  | item Industrietechnik Gn  | nbH  | item                                   |
|--|---|--|--|
|  | item Industrietechnik Gn<br>Friedenstrasse 107-109<br>D-42699 Solingen<br>Germany |  |  |
|  | www.item24.com  |  |  |
|  |   |  |  |
|  | EC Declaration of Cont<br>EC Machinery Directive                                  | formity pursuant to<br>e 2006/42/EC, Annex II A  |  |
|  | We hereby declare that  | t the electrical, height-adjusta   | ble work bench                         |
|  | Type: Work benc<br>Work benc<br>Work benc   |  |  |
|  | Product description:  | Electrical, height-adjustable v<br>overhang available as optiona<br>Work bench 4 E FIFO with ov<br>addition. | al additions.                          |
|  | satisfies the following<br>Machinery Directi<br>EMC Directive (20                 | ve (2006/42/EC)  |  |
|  | been published in the   | s that have been applied, the r<br>Official Journal of the Europea<br>2 04/2004 Safety of machinery - Ba     | an Union:                              |
|  | Authorised representa   | tive for compiling the relevant  | technical documentation:               |
|  |   | Mahn Allily  |  |
| item Industrietechnik GmbH<br>Friedenstrasse 107-109<br>42676 Solingen<br>Germany                        | Solingen, 01.10.2013<br>Place / Date  | Signature  | Documentation<br>Signatory information |
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| info@item.info<br>www.item.info<br>Managing Directors<br>Waldemar Kurtz<br>Gerrit Pies<br>Wolfgang Rixen | Solinaen. 01.10.2013  | Adence   | General Manager                        |

Solingen, 01.10.2013 Place / Date Registered court Wuppertal HRB 14912

VAT No. DE 120 959 471

J. Jaclineen Signature

General Manager Signatory information



## 2. Product description

#### Work bench 4 E FIFO

The item work bench 4 E FIFO - a logical and efficient combination of work bench and FIFO rack. Strong and steady with a customisable configuration.

#### Work bench E

Two table columns at the rear of the table, table top positioned on stable steel supports. An electrical, height-adjustable work bench that is easy to operate and incorporates a control system with a memory function. This means that the working height can be adjusted to suit whoever is using the table at any one time.

#### Work bench 4 E

An electrical, height-adjustable work bench incorporating a control system with a memory function. For applications where exceptional stability and load-carrying capacity are essential. The table top is supported by four columns.

Four different working surfaces are available for all tables:

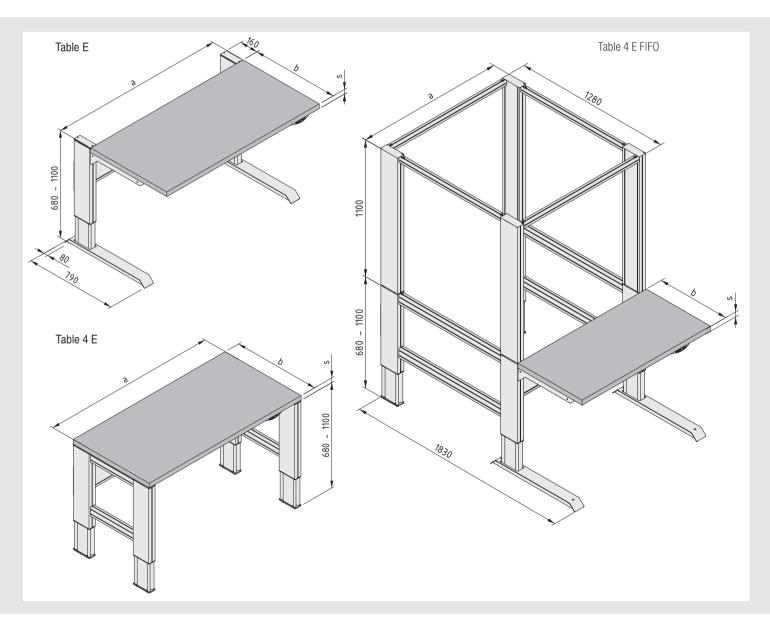
Plastic-coated, high pressure laminate (HPL), HPL/ESD-safe and beech multi-ply.

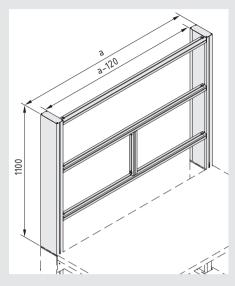
You can combine work benches with a number of useful accessories from our broad range of add-ons.

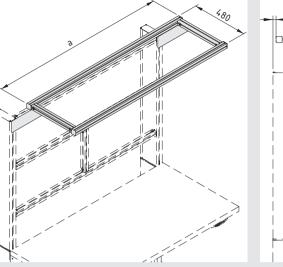
These include solutions for power and data supply, work bench lighting, pivot arms, a diverse range of ESD accessories and mounting systems for PCs and tools.

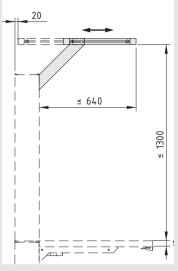
The electrical, height-adjustable basic frames of tables E and 4 E can be extended by adding an upright or an upright with overhang. It is possible to extend the work bench 4 E FIFO by adding an overhang.

#### Electrical, height-adjustable basic frames:









The Upright

The Overhang

| Work Bench E           | Table Top material          |  |  | Optional attachments         |         |                                |              |
|------------------------|-----------------------------|--|--|------------------------------|---------|--------------------------------|--------------|
| Dimensions<br>a x b mm | plastic coated<br>s = 25 mm | high pressure<br>laminate<br>s = 30 mm | high pressure<br>laminate/ESD<br>s = 30 mm | beech multi-ply<br>s = 40 mm | Upright | Overhang<br>(Upright required) | Cable Duct E |
| 1200 x 600             | •                           | •                                      | •  | •                            | 0       | 0                              | 0            |
| 1200 x 750             | •                           | •                                      | •  | •                            | 0       | 0                              | 0            |
| 1500 x 600             | •                           | •                                      | •  | •                            | 0       | 0                              | 0            |
| 1500 x 750             | •                           | •                                      | •  | •                            | 0       | 0                              | 0            |
| 1800 x 600             | •                           | ٠                                      | •  | •                            | 0       | 0                              | 0            |
| 1800 x 750             | •                           | •                                      | •  | •                            | 0       | 0                              | 0            |

| Work Bench 4 E         |                             | Table Top material                     |  |                              | Optional attachments |                                |                                    |
|------------------------|-----------------------------|--|--|------------------------------|----------------------|--------------------------------|------------------------------------|
| Dimensions<br>a x b mm | plastic coated<br>s = 25 mm | high pressure<br>laminate<br>s = 30 mm | high pressure<br>laminate/ESD<br>s = 30 mm | beech multi-ply<br>s = 40 mm | Upright              | Overhang<br>(Upright required) | Cable Duct E<br>(Upright required) |
| 1200 x 600             | •                           | •                                      | •  | •                            | •                    | 0                              | 0                                  |
| 1200 x 750             | •                           | •                                      | •  | •                            | 0                    | 0                              | 0                                  |
| 1500 x 600             | •                           | •                                      | •  | •                            | •                    | 0                              | 0                                  |
| 1500 x 750             | •                           | •                                      | •  | •                            | 0                    | 0                              | 0                                  |
| 1800 x 600             | •                           | •                                      | •  | •                            | •                    | 0                              | 0                                  |
| 1800 x 750             | •                           | •                                      | •  | •                            | 0                    | 0                              | 0                                  |

| Work bench 4 E FIFO    | Table top material          |  |  | Optional attachments         |          |              |
|------------------------|-----------------------------|--|--|------------------------------|----------|--------------|
| Dimensions<br>a x b mm | Plastic coated<br>s = 25 mm | High pressure<br>laminate<br>s = 30 mm | High pressure<br>laminate/ESD<br>s = 30 mm | Beech multi-ply<br>s = 40 mm | Overhang | Cable Duct E |
| 1200 x 600             | •                           | •                                      | •  | •                            | 0        | 0            |
| 1200 x 750             | •                           | •                                      | •  | ٠                            | 0        | 0            |
| 1500 x 600             | ٠                           | •                                      | •  | •                            | 0        | 0            |
| 1500 x 750             | •                           | •                                      | •  | •                            | 0        | 0            |
| 1800 x 600             | •                           | •                                      | •  | •                            | 0        | 0            |
| 1800 x 750             | ٠                           | •                                      | •  | ٠                            | 0        | 0            |

## 3. Operating data

| Single column          |                   | 1000 N                |
|------------------------|-------------------|-----------------------|
| Table E                | 2 columns         | 2000 N distributed    |
| Table 4 E / 4 E FIFO   | 4 columns         | 4000 N distributed    |
| Perm. bending mome     | nt in travel mode | 140 Nm                |
| Speed                  |                   | 25 mm/s               |
| Temperature range      |                   | -5°C to +40°C         |
| Noise emissions        |                   | < 70 dB (A)           |
| Travel range, Table E  |                   | 680 mm - 1060 mm      |
| Travel range, Table 4E | -                 | 680 mm - 1100 mm      |
| Threaded bores mour    | iting plates      | 4 x M8x8<br>2 x M10x8 |
| Storage temperature    |                   | -25 °C to +70 °C      |
| Relative humidity      |                   | 5 % to 85 %           |

Air pressure > 84 kPa, equiv. to altitude of < 1400 m above sea level In altitudes > 1400 m, the load values are reduced by 15%.

## 4. Setting up the height-adjustable work bench4.1 Environmental considerations

This height-adjustable work bench is intended as a permanent fixture in an area that is protected from the weather.

- The area should be free from mould and fungus and show no traces of rodents or other pests.
- Do not install or use in close proximity to industrial plants that produce chemical emissions.
- Do not install or use near sources of sand or dust.
- Do not install or use in an area that is regularly exposed to high-energy surges such as those caused by presses or heavy machinery, for example.

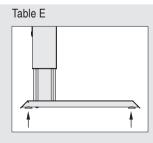
## 4.2 Levelling the work bench

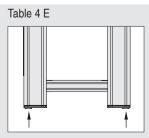
To set up the assembled, height-adjustable work bench, you will need the following tool:

Spirit level

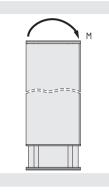
Faults may occur as a result of incorrect set-up or start-up. The height-adjustable work bench may be damaged and the service life may be shortened.

- When setting up the work bench on uneven ground, use the spirit level to ensure it is square and axially parallel.
- Do not load the table columns to the point that they start to deflect.
- Initialise (reset) the table columns before they are mechanically fixed together.





- Maximum loading of overhang 200 N
- Selection and installation of the appropriate components ensures suitability for use in areas where electrostatic charges pose significant hazards. We recommend that you consult your item representative.



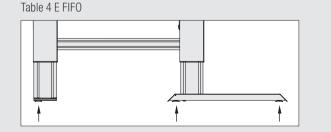
Work bench designs must take into account the maximum permissible torque load for the table columns of  $M_{max}$  = 140 Nm.

- Resistant to many of the substances usually encountered in the production area, such as water, mineral oil, grease and detergents. In case of doubt regarding resistance to certain chemicals such as test oil, alloyed oils, aggressive cleaning substances, solvents or brake fluid, we advise that you consult your specialist representative.
- Avoid long periods of contact with highly acidic or alkaline substances.
- Consult the manufacturer if using in very salty air.



The height-adjustable work benches E, 4 E and 4 E FIFO are already initialised and ready for use when supplied.

Level the workbench by twisting the adjustable feet underneath the table columns in or out by hand and check using a spirit level.



## 5. Electrical connections for height-adjustable tables

#### Control units

The synchronous control systems are used to control height-adjustable table systems for 2 or 4 table columns

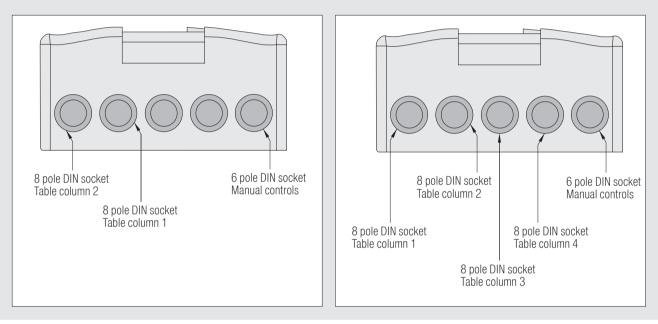
2 table columns EU; 230 VAC USA/CDN; 120-277 VAC 4 table columns EU; 230 VAC USA/CDN; 120-277 VAC  $\wedge$ 

 The on-time is 10%, which means that the table columns can be run for 2 minutes in continuous operation and will then switch off for 18 minutes.

- Check the seating of all plug connections.
- Use a power cord to connect to the mains.

#### Table E: ST2

Table 4 E: ST4



 $\wedge$ 

Observe the following points when installing and operating the control system:

- The control system and manual controls must be positioned and secured as appropriate to local conditions. If necessary, alter their position.
- The installation site should be dry, free of dust and away from direct sunlight.
- The environmental temperature for operating the control system must not fall below 5 °C or above 35 °C.
- Consequently, you should not install the control system:
  - above or in front of heat sources (e.g. radiators),
  - in locations that are exposed to direct sunlight,
  - in small, unventilated, damp rooms,
  - on or near highly flammable materials or
  - near high-frequency devices

(e.g. transmitters, radiation-emitting devices or similar equipment).

 Ensure that connecting cables and electrical lines are not bent, pulled or subjected to mechanical loads. In particular, cables must not be clamped in the foot area of the table columns (safety area of approx. 10 mm around the table column feet).

- It is advisable to install surge protection to protect against the types of electrical surges that can occur during thunderstorms. Consult an electrical engineer.
- Never open the control system's housing or the power pack! Unauthorised opening of the housing and inappropriate repairs can cause hazards for users and shall invalidate the warranty. Only the manufacturer's personnel are authorised to open or repair the electrical systems.
- Do not allow any liquids to penetrate inside the control system or the power pack as this could result in an electric shock or short circuit.
- Use only a dry or slightly damp cloth to clean the control system and the manual controls.
- Stop using the device immediately if it begins to emit smoke or odour, makes unusual noises or shows visible signs of damage. Disconnect the system from the mains by removing the plug.
- The control system may only be used with item table columns.

## 6. Start-up

The basic function of the control system is to raise or lower the table. Both of these functions can be performed via the table's manual controls (before changing the manual controls, remove the power plug; it may be necessary to reset the system).



- When starting up the table:
- When running the drive, please ensure that no objects (e.g. furniture) or body parts become trapped.
- To prevent crushing and cuts, nearby objects should be kept at a minimum distance of 25 mm from the table columns.
- Load values must not be exceeded.
- Safety instructions must be followed.
- Inappropriate use of the system can pose hazards to people and equipment.
- The product warranty is valid only when the product is used in accordance with the stipulations in this user guide.
- Loading under tension of the table columns is forbidden.



The height-adjustable work bench can be damaged if it comes into contact with obstacles, and the service life may be shortened. Keep the travel area beneath the table top and the safety area around the table column feet clear.



The work bench 4 E FIFO is accessible from both sides. Due to its size, the work bench occupies a large, confusing moving space. The accessibility on both sides of the work bench 4 E FIFO must be guaranteed safe from both sides, according to the tasks.

Hazard must be avoided for the personnel on both sides, during the move of the work bench. Unforeseeable risks with new installations at the work bench or the FIFO Storage space need a new assessment of risk and a new declaration of conformity, if necessary.



Table tops or equipment must be rigidly connected to the drive system. For this reason, it is forbidden to connect the adjustable feet or the base plate of the table columns rigidly to the floor, this leads to a certain additional guidance and so the table columns will be damaged.

The connected table columns need to be initialised (RESET):

The reset journey (initialise) is carried out at reduced speed.

When an error message has been issued (A 64: RESET – compulsory), e.g.

after a power cut that has occurred while the table columns were moving.

When a faulty table column has been replaced,

## 6.1 Initialising the table columns when starting up the system for the first time (RESET)



When a table that has not previously been initialised is started up for the first time, or when a corresponding error message is displayed, the system needs to be RESET before the table can be used as normal.



The height-adjustable work benches E, 4 E and 4 E FIFO are already initialised and ready for use when supplied.

During the initialisation process (RESET), the control system synchronises the travel heights of the connected table columns.

Uncontrolled movement in the table columns during initialisation (RESET) can damage the columns and shorten the service life.



During initialisation (RESET), do not restrict the movement of the table columns by means of any mechanical connection.

### RESET (initialise) the system:

Hold down the "DOWN" and "UP" buttons together. After a brief pause, the travel modules travel downwards to the mechanical stop and switch off. Now release the buttons. The RESET is confirmed by an audible signal that sounds three times. The system is now ready.

## 6.2 Operation

#### RESET following a power failure

If there is a power cut while the table columns are moving, the system will need to be RESET before the table can be used again as normal.

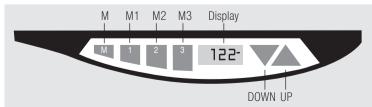
#### Manually adjusting the table column height

Use the "DOWN" button to move down and the "UP" button to move up.



The display shows the absolute working height of the construction in cm only when the minimum height of the adjustable construction has previously been set to 665 mm.

The table columns travel up and down at normal speed for as long as the relevant button is held down. The table columns are automatically stopped before they reach the mechanical stop position.



If the table columns are travelling downwards, the travel module stops automatically a few centimetres before they reach the stop position. Pressing the "DOWN" button again causes the table columns to travel downwards at a reduced speed until they reach the stop position (safety feature to prevent e.g. body parts being caught).

If the table columns are already within the safety range and are to be lowered further, but were previously being moved upwards, press the "DOWN" button twice.

## 7. Functions7.1 On-time limiter

The electronic system monitors how long the table columns have been active. If the maximum permissible time is exceeded, the electronics will not permit any further movement in the table columns. This protects the power pack, control system and drives against overload.

## 7.2 Safety range

A certain section of the table columns (a few cm before the lower stop position) is referred to as the safety range. When the table columns reach this point, they stop. When the "DOWN" button is pressed again, they continue moving down, but at a reduced speed. If the table columns are to be lowered when they are already within the safety range, and were previously being moved upwards, the "DOWN" button will need to be pressed twice.

### 7.3 Overload detection

The control system detects an excessive load (weight) on the construction and switches off. The table columns are operated at reduced speed briefly after they are started/before they are stopped.

### 7.4 Soft start/soft stop

The drives are operated at reduced speed briefly after they are started/before they are stopped.

### 7.5 Movement lock

When the movement lock is engaged, the table columns cannot be moved, thereby preventing uncontrolled movement of the construction. Press the "M" button for 10 seconds to engage or disengage the movement lock.

### 7.6 Memory function

Additional memory function for the storage of height settings and for moving the table to these heights.

1. Manually adjusting the table height.

2. Storing a height setting (memory)

The control system can store three standard positions. Press the "M" button three times to access memory mode.

Within 5 seconds, press one of the three buttons M1, M2 and M3 to store the height position currently set. The control system issues an audible signal to confirm that the setting has been stored in the memory.

## 7.6.1 Moving the table columns to stored heights

Hold down one of the three buttons M1, M2 and M3 until the corresponding position is reached.



## 7.7 Setting the upper and lower travel limits

The travel distance can be electronically limited to prevent collision with any potential obstacles in the travel range. For reference purposes, the lower mechanical limit switch must stay within range.

Press the "M" button eight times to enter setting mode. An audible signal indicates the setting mode is active.

Press the UP or DOWN button to move the table columns to the desired upper or lower travel limit.

When the columns are in the correct position, press the "M" button three times and then press the UP or DOWN button, depending on which limit is selected.

An audible signal issued by the controller confirms that the correct setting has been adopted.

To reset the travel limit, re-enter setting mode by pressing the "M" button eight times. When the audible signal indicates that setting mode is active, move the table columns through the entire adjustment range, right up to the absolute end positions, and re-save the positions.

To save a new position, press the "M" button three times and then press the UP or DOWN button. An audible signal issued by the controller confirms that the selected setting has been adopted by the controller. Programmed travel limits cannot be overridden with the memory or arrow buttons.

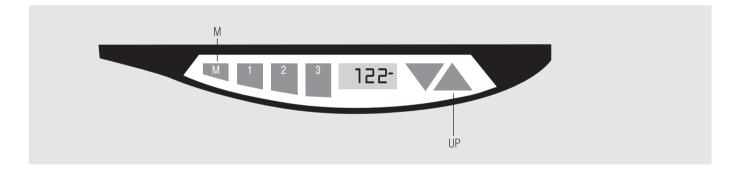
If no buttons are pressed for 10 seconds when in setting mode, the process is automatically terminated. An audible signal is then sounded.



Caution: Collisions with obstacles in the travel range can cause serious damage and injuries. It is the operator's responsibility to ensure the travel range is clear of any obstacles.

## 7.8 Switching between cm / inch

Press the "M" and "UP" buttons together to change the display between centimetres and inches.



## 8. Error messages on the manual controls

|              | Cause  | Solution   |
|--------------|--|--|
| A64          | Reset – compulsory   | Please RESET the system (see 6.1).   |
| A65          | Movement lock engaged  | Press the "M" button for 10 seconds.   |
| A 6F         | Travel monitor<br>1. The table could be jammed or overloaded.<br>2. A motor is incorrectly connected to the control<br>system. | <ol> <li>Remove the load and move the table a short distance<br/>in the opposite direction.</li> <li>Check the plug connection and RESET the system<br/>(see 6.1).</li> <li>If the error persists, contact your service partner.</li> </ol>                                  |
| A 70<br>A 71 | Faulty motor signal  | Check the plug connections of the columns. It may be<br>necessary to replace the control system or columns.<br>Replace the parts or contact your service partner.  |
| A 72<br>A 73 | Motor not recognised<br>Check the plug connections.  | If the error persists, the column or control system is<br>defective.<br>Replace the parts or contact your service partner.   |
| A C9         | On-time limiter/overheating protection   | The electronic system monitors how long the drives<br>have been running. If the maximum permissible time is<br>exceeded, the electronics will not permit the drives to be<br>run any longer.<br>This protects the power pack, control system and drives<br>against overload. |
| A CA         | Overheating:<br>The control system has exceeded the permitted<br>temperature.  | You must wait until the transformer has cooled down. How long this will take depends on the ambient temperature.   |
| A D7         | Overcurrent in drive:<br>One or more drives are overloaded.  | Check the permissible load for the table in the installation<br>guide.<br>Remove the cause of the overload. Check that the table<br>has been properly assembled and is free from strain.<br>If the error persists, contact your service partner.                             |
| E 6A         | Short circuit –<br>manual controls connection  | Check the connections. The control system or the manual<br>controls may be faulty.<br>Replace the faulty part.<br>If the error persists, contact your service partner.   |
| E D4<br>E D7 | Short circuit –<br>motor connection  | Check the connections. The control system or the guiding<br>column may be faulty.<br>Replace the parts.<br>If the error persists, contact your service partner.  |
| E DE<br>E E9 | Control system faulty  | Replace the control system or contact your service partner.  |

If the manual controls display a fault code that is not listed in the table, contact the manufacturer.

## 9. Maintenance and servicing work

There are no maintenance requirements associated with the height-adjustable work bench. See Section 9 for warning/error messages and solutions.

## 10. Disassembly and replacement of parts



🔨 Touching live parts can lead to an electric shock, causing serious injuries or death.

- Before carrying out maintenance work, switch off the power supply.
- Put in place suitable measures to prevent the power supply from being switched back on unintentionally.
- Use only original spare parts.

## 11. Disposal

The materials used are environmentally friendly. They can be recycled or re-used (if necessary after refurbishment and the replacement of parts). The use of appropriate materials and easy dismantling ensure the product can be recycled.

Improper disposal of this height-adjustable work bench can pollute the environment.

Please dispose of your height-adjustable work bench in full accordance with the laws of your country.

### 12. Annex

12.1 Declaration of incorporation for the table columns

item Industrietechnik GmbH item item Industrietechnik GmbH Friedenstrasse 107-109 42699 Solingen Germany Declaration of incorporation pursuant to EC Machinery Directive 2006/42/EC, Annex II B We hereby declare that the partly completed machine, Type: Table Column Set 2 E 230V Article No.: 0.0.650.02 Table Column Set 4 E 230V Type: Article No.: 0.0.650.04 - as far as is possible in the scope of supply satisfies the following essential requirements of the Machinery Directive (2006/42/EC). 1.1.2., 1.1.5., 1.1.6., 1.2.1., 1.2.3., 1.3.1., 1.3.4., 1.5.4. Furthermore, we declare that the special technical documentation for this partly completed machine has been compiled in accordance with Annex VII, Part B, and we undertake to submit this documentation to the market surveillance authorities on request. This partly completed machine must not be taken into service until it has been incorporated into a machine and the machine into which it has been incorporated satisfies the requirements of the EC Machinery Directive and an EC Declaration of Conformity pursuant to Annex II A is available. Authorised representative for compiling the relevant technical documentation: chungen Friedenskasse 107-109 426/5 Solingen 25 Oct. 2012 **CE Officer** Place / date Signature, Stephan Buchmann **Details of signatory** Telephone +49 212 66 80 300 Fax •49 212 65 80 310 **Declaration of incorporation issued:** into@ilem.into www.item.info egoing Director Gerni Pier 25 Oct. 2012 **Executive Management** Registered court ental HRB 14912 Place / date Signature, Waldemar Kurtz Details of signalory VAT No. DE 120 959 471

## 12.2 Specification plates

## CE

## item (E

itom

| Workbench type                | 4 E             |
|-------------------------------|-----------------|
| AB. No.                       |                 |
| Input                         | 230V 50Hz 2,7A  |
| Duty cycle                    | 10%, 2min/18min |
| Maximum load                  | 4000N           |
| Serial number, Control Unit   |                 |
| Serial number, Table Column 1 |                 |
| Serial number, Table Column 2 |                 |
| Serial number, Table Column 3 |                 |
| Serial number, Table Column 4 |                 |
| Manufactured by:              |                 |
|                               |                 |
|                               |                 |
|                               |                 |
| Date                          |                 |
| www.item24.com                |                 |

## item

| Workbench type                | 4 E FIFO        |
|-------------------------------|-----------------|
| AB. No.                       |                 |
| Input                         | 230V 50Hz 2,7A  |
| Duty cycle                    | 10%, 2min/18min |
| Maximum load                  | 4000N           |
| Serial number, Control Unit   |                 |
| Serial number, Table Column 1 |                 |
| Serial number, Table Column 2 |                 |
| Serial number, Table Column 3 |                 |
| Serial number, Table Column 4 |                 |
| Manufactured by:              |                 |
|                               |                 |
|                               |                 |
|                               |                 |
| Date                          |                 |
| www.item24.com                |                 |

## CE

| Workbench Type                | E               |
|-------------------------------|-----------------|
| AB. No.                       |                 |
| Input                         | 230V 50Hz 2A    |
| Duty cycle                    | 10%, 2min/18min |
| Maximum load                  | 2000N           |
| Serial number, Control Unit   |                 |
| Serial number, Table Column 1 |                 |
| Serial number, Table Column 2 |                 |
| Manufactured by               |                 |
|                               |                 |
|                               |                 |
|                               |                 |
|                               |                 |
|                               |                 |
| Date                          |                 |
| www.item24.com                |                 |



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You find the Notes on Use and Installation online, in the download section for this product.