Instructions for Assembly and Operation

**VARIO**

Touchless Dispensing Solutions

**Vario Touchless** dosing dispenser

Wall dispenser for the hands-free withdrawal of hand hygiene products such as disinfection, cleaning and care agents.
**Vario Touchless dosing dispenser**

for reliable hand hygiene with standardised verification of effectiveness

High hygiene standards are essential for preventing infection or contamination from germs which are harmful to health. This applies for any company or factory in which many people come into contact with one another, and especially for doctors' practices and hospitals, restaurants and public facilities. The Vario Touchless dosing dispenser ensures careful and reliable hand hygiene with measurable verification of effectiveness and has already proved itself many times over thanks to its ease of use in practice. It is suitable for 500ml and 1000ml dispenser bottles and can carry liquids, soaps, gels and creams without dripping. The device is characterised by its practical dosage setting and its attractive shape with smooth surfaces for easy cleaning. Assembly and operation are simple and there is no need for maintenance once in use.

**Functional units**

- Housing lid
- Touchless module
- Hinge pin for replacing the dispenser head
- LED
- Dosage nozzle
- Sensor
- Pump hose
- Container support
- Dosage valve as return flow protection for liquid products
- Fixing screw
- Design frame

**General application information**

Protect the dosing dispenser against the effects of moisture, dust, heat and warmth. Rooms with a relative humidity of 30-95% and a temperature of 5-40°C are suitable. Use the device only with the hygiene products named for it.

**WARNING!**

No liability shall be assumed for damage caused by improper handling; this includes:

- Damage to the device caused by mechanical overstretched.
- Modifications to the device without the explicit permission of the manufacturer.
- Use for purposes other than those described in the application instructions.

**Scope of delivery**

- 1 x Vario Touchless dosing dispenser
- 1 x valve as return flow protection
- 1 x pump hose
- 1 x blue dosage nozzle with squirt function for viscous hand cleaning and care products
- 1 x blue dosage nozzle with spray mist function for liquid hand disinfectants and low-viscosity gels
- 1 x set of 1.5 AA batteries (4 pieces)
- 1 x universal tool
- 2 x dowels
- 2 x screws
- 1 x drilling template
- 1 x set of operating instructions

**Positioning and assembly**

**Positioning**

1. Select a position which is protected from splashing water in which to mount the dosing dispenser.
2. The wall surface should be clean, dry and even.
3. Please ensure a minimum distance above and below the device as shown in the picture.

**Assembly**

Please use only the attachment materials provided and original parts; this is the only way to guarantee lasting stability.

**Application of adhesive**

When applying adhesive, the wall surface should be dry and free from dust, grease and silicon. It is recommended that you also clean the surface with white spirit. The surface to be adhered to should not have a distinctive texture. For freshly painted surfaces, ensure that the paint is completely dry. The adhesive tape should be temperature resistant in the range –10°C to +40°C.

**Screwing into the wall**

To screw the device into the wall, you need a drill, a 6mm drill bit suitable for the wall material, and a screw driver (manual or electric).

1. You can mark the holes for drilling in the correct positions by using the drilling template.
2. Drill the holes and insert the rawlplugs.
3. Then screw the device tightly into the wall using the rawlplugs.
Inserting the dispenser bottle and preparing the dosage

1. Loosen the container support by pulling the white plate forwards gently.
2. Now insert the dosing hose with the valve into the dosing bottle.
3. Insert the dispenser bottle into the device from below.
4. Finally, adjust the container support to the size of the bottle so that the bottle sits securely.

Replacing the dosing nozzle

The blue dosing nozzle with squirt function mounted by default is suitable for viscous hand cleaning and care products. The white dosing nozzle with spray mist function provided is suitable for liquid hand disinfectants and gels.
1. Use the universal tool to pull the nozzle off the end of the pump.
2. Push on the new nozzle.

Inserting the protective screen*

1. Use the universal tool to remove the fixing screw so that the design frame can be opened.
2. Open the design frame downwards and pull it off the device.
3. Insert the protective screen.
4. Close the protective screen and tighten the fixing screw again.
5. With the closed protective screen, the bottle is now also protected against theft.

* optional accessories

Commissioning

Inserting batteries

1. The housing lid is opened by pulling upwards gently.
2. Remove the battery screen and remove the battery case.
3. Insert the four batteries into the case.
4. Re-insert the battery case and push the protective screen back into place.

On and off switch

Slide the on and off switch into the desired position.

LED display

- Flashing green: The device is configuring; once the flashing stops, the device is ready to function.
- Fast flashing red: The device is displaying the dosage once it has been set.
- Flashing red and green: The sensor pin is blocked. The device should be checked for disruptive objects in the sensor area.
- Steady red light: The batteries are empty.

Setting the dosage

4 setting levels are available. Set the dosage switch to the desired position. Different quantities come out of the nozzle depending on the viscosity of the product being dispensed.

1 = minimum setting
4 = maximum setting

For liquids, level 1 = 1ml, level 4 = 5ml
Cleaning and maintenance

The device should be cleaned and disinfected regularly; please always remove the batteries to do this.

Clean the module by hand; water jets and high pressure cleaners are not suitable.

The surfaces are easy to clean using a watery soap solution or a surface disinfectant.

Cleaning and disinfection are recommended each time the bottle is replaced.

If soaps and creams are used, the pump should be washed carefully with warm water or replaced every three months. To do this, it should be completely emptied and free from product residues.

Cleaning the dispenser head

1. Turn the device off.
2. Use the universal tool to push the hinge pin through the shaft axis to remove it.
3. Pull the dispenser head upwards and remove the hose.
4. Clean as described above.
5. Re-attach the dispenser head and the pump hose together.
6. Push the hose into the device opening and place the dispenser head onto it.
7. Push the hinge pin all the way through the shaft axis to fix the dispenser head into position again.
8. Turn the device on.

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<tr>
<th>SYMPTOM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
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| The device does not work (no LED function) after the batteries have been inserted | - Batteries are empty  
- Batteries were not inserted correctly | - Insert new batteries  
- Re-insert batteries, paying attention to the correct polarity |
| The device seems to be working correctly but no hygiene product is coming out of the hose | - Container is empty  
- No container in the device  
- Pump is blocked  
- An unsuitable hygiene product is being use | - Insert a full container  
- Clean the pump  
- Clean the pump and use a suitable hygiene product |
| The device is dispensing too much or too little | - The dosage is not ideally set | - Set the dosage |
| The device is dispensing varying amounts | - The pump is blocked  
- The nozzle is blocked | - Clean the pump  
- Clean the nozzle |
| Flashing red/green light | - The sensor pin is blocked; the sensor cannot configure | - Remove disruptive objects from in front of the sensor or position the device somewhere else |

Troubleshooting
TECHNICAL DATA AND DISPOSAL

Dimensions
- Vario Touchless dosing dispenser: H x W x D = 345 x 100 x 152 mm

Voltage, power
- Operating voltage: 6 V
- Motor spray pump: 6 V
- Max. power: 3 Watt / 0.5 Amp.
- Spray time: 1 to approx. 4 sec., depending on the dosage set

Conformity to directives
- Machinery Directive 2006/42/EC
- Registration at the Stiftung Elektro Altgeräte Register: WEEE reg. No. DE 90941274

Disposal
Please recycle the packaging material appropriately.
If you take the device out of operation, please find out about applicable disposal regulations from a recycling centre or your specialist dealer.

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