HEIGHT ADJUSTABLE ARM

Monitor adaption
prepared to accept Philips Table Top Mount

Height adjustment
slow-flowing spring, parallel linkage for a constant viewing angle

Colours to choose
decorative parts: RAL 5013 blue / RAL 7024 dark grey
aluminum parts: RAL 9016 pure white / RAL 9002 grey white

Max. load capacity support arm
21 kg/ 46.3 lbs

Max. load monitor adaptation
21 kg/ 46.3 lbs

Product weight
4.0 kg - 4.4 kg / 8.8 lbs - 9.7 lbs (according to dimensions of keyboard tray)

Balancing range
800 N (2 - 7 kg/ 4.4 - 15.4 lbs); 950 N (4 - 10 kg/ 8.8 - 22 lbs); 1300 N (8 - 13 kg/ 17.6 - 28.7 lbs);
1750 N (12 - 16 kg/ 26.5 - 35.3 lbs); 2200 N (15 - 20 kg/ 33.1 - 44.1 lbs)

Keyboard tray dimension
300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm
11.8 x 8.3”, 15.7 x 5.9”, 19.7 x 7.9”, 22.8 x 7.9”

Part number
A-431LPH-Y_CD_X_T

Fixings

Adapter for Maquet anaesthesia machines
Adapter for Heinen & Löwenstein anaesthesia machines
Adapter for anaesthesia machines with existing side channel

Fixed rail clamp
Vertical rail clamp
Dual vertical rail clamp
Fixed / universal pole clamp
Lateral adapter Trumpf

CIM med GmbH • Euro-Industriepark • Margot-Kalinke-Str. 9 • 80939 Munich • Germany • www.cim-med.com
HEIGHT ADJUSTABLE ARM

Technical data

Side view

Top view
## FIXINGS

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>Notes</th>
<th>Part. no</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Adapter for vertical wall channel" /></td>
<td><strong>Adapter for vertical wall channel</strong></td>
<td>To mount to CIM wall channel (compatible with GCX channel)</td>
<td>4V</td>
</tr>
<tr>
<td></td>
<td><strong>Please order separately:</strong> CIM wall channel, see catalogue accessoires</td>
<td></td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Fixed rail clamp" /></td>
<td><strong>Fixed rail clamp</strong></td>
<td>To mount to horizontal European rails 10 x 25, 10 x 30mm for all arms</td>
<td>2F</td>
</tr>
<tr>
<td><img src="image" alt="Vertical rail clamp" /></td>
<td><strong>Vertical rail clamp</strong></td>
<td>To mount to vertical European rail 10 x 25 mm</td>
<td>3</td>
</tr>
<tr>
<td><img src="image" alt="Dual vertical rail clamp" /></td>
<td><strong>Dual vertical rail clamp</strong></td>
<td>To mount to two parallel vertical European rails 10 x 25, 8 x 35, 10 x 30, 10 x 50 mm; Distance between rails 150 mm/ 5.9”, e.g. Dräger pendant; Distance between rails 225 mm/ 8.9”, e.g. Trilux pendant</td>
<td>3DR 3TX</td>
</tr>
</tbody>
</table>
| ![Fixed pole clamp](image) | **Fixed pole clamp** | To mount to pole Ø 25 mm/ 1.0”
To mount to pole Ø 35 mm/ 1.4”
To mount to pole Ø 38 mm/ 1.5” | 1 1F 1C |
| ![Universal pole clamp](image) | **Universal pole clamp** | V-block to mount to pole Ø 23 - 40 mm/ 0.9 - 1.6” | 1V |
| ![Lateral adapter](image) | **Lateral adapter** | For Trumpf klinoPORT ceiling pendant
For Trumpf klinoPORT frontal | 8 82 |
## Fixings for Anaesthesia Machines

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
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<th>Part. no</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Adapter for Maquet anaesthesia machines" /></td>
<td>Adapter for Maquet anaesthesia machines</td>
<td>Cone adapter for Maquet FLOW i</td>
<td>10</td>
</tr>
<tr>
<td><img src="image" alt="Adapter for Heinen &amp; Löwenstein anaesthesia machines" /></td>
<td>Adapter for Heinen &amp; Löwenstein anaesthesia machines</td>
<td>Adapter for Leon/ Leon plus</td>
<td>9</td>
</tr>
<tr>
<td><img src="image" alt="Adapter for anaesthesia machines (all suppliers)" /></td>
<td>Adapter for anaesthesia machines (all suppliers)</td>
<td>H 80 mm/ 3.1” With existing side channel</td>
<td>4U</td>
</tr>
</tbody>
</table>

If your anaesthesia machine does not have a side channel already mounted to the machine, please order the following in addition to 4U:

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<th>Part. no</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Adapter for Dräger" /></td>
<td>Adapter for Dräger</td>
<td>Dräger Primus/ Julian/ Cato/ Fabius GS/ Zeus side channel adapter L 127 mm/ 5” side channel adapter L 320 mm/ 12.6”</td>
<td>DR-J01 DR-J02</td>
</tr>
<tr>
<td><img src="image" alt="Adapter for GE" /></td>
<td>Adapter for GE</td>
<td>GE Avance/ Aespire/ Aestiva side channel adapter L 200 mm/ 7.9”</td>
<td>DX-AES-01</td>
</tr>
</tbody>
</table>
HOW TO CREATE PART NUMBERS

Part numbers can be easily created by following the steps below:
Please replace the letters in green with the part no. code as per your requirements.

1. Components’ grounding:
   A = grounded

2. Choose the arm version required:
   224LPH/230LPH = pivot arm
   H33030LPH = extended arm pivot
   431LPH = height adjustable arm
   73130LPH = extended height adjustable arm

3. Specify where you want to mount the arm and select the fixing (Y):
   1V = pole Ø 23 - 40 mm/0.9 - 1.6”
   1 = pole Ø 25 mm/1.0”
   1F = pole Ø 35 mm/1.4”
   1C = pole Ø 38 mm/1.5”
   2F = horizontal rails 10 x 25, 10 x 30 mm
   3 = vertical rail
   3DR = dual vertical rails, distance 150 mm/5.9”
   3TX = dual vertical rails, distance 225 mm/8.9”
   4V = vertical wall channel
   4U = anaesthesia machine with existing GCX channel
   8 = lateral adapter to Trumpf klinoPORT ceiling pendant
   82 = adapter to Trumpf klinoPORT frontal
   9 = Heinen & Löwenstein anaesthesia machine
   10 = Maquet FLOW i anaesthesia machine

4. Choose the colour requested for decorative parts (C):
   gr = RAL 7024 (dark grey)
   bl = RAL 5013 (blue)
5. Choose the colour requested for the aluminium die-cast parts (D):
   1 = RAL 9016 (pure white)
   2 = RAL 9002 (grey white)

6. Specify the spring depending on the weight of your monitor/device - only with height adjustable arms (X):
   80 = 2 - 7 kg / 4.4 - 15.4 lbs
   95 = 4 - 10 kg / 8.8 - 22 lbs
   130 = 8 - 13 kg / 17.6 - 28.7 lbs
   175 = 12 - 16 kg / 26.5 - 35.3 lbs
   220 = 15 - 20 kg / 33.1 - 44.1 lbs

7. Specify the requested size of the keyboard tray (T):
   30 = 300 x 210 mm / 11.8 x 8.3"
   40 = 400 x 150 mm / 15.7 x 5.9"
   50 = 500 x 200 mm / 19.7 x 7.9"
   58 = 580 x 200 mm / 22.8 x 7.9"

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**EXAMPLE**

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4 &amp; 5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grounding</td>
<td>Arm version</td>
<td>Fixing</td>
<td>Colour</td>
<td>Spring tension</td>
<td>Keyboard tray</td>
</tr>
<tr>
<td>A</td>
<td>431LPH</td>
<td>-</td>
<td>CD</td>
<td>X</td>
<td>T</td>
</tr>
<tr>
<td>A</td>
<td>431LPH</td>
<td>-</td>
<td>gr1</td>
<td>80</td>
<td>40</td>
</tr>
</tbody>
</table>
GENERAL NOTES

Monitor Adaptations
All mounting systems for Philips IntelliVue series are prepared to accept the Philips Table Top Mount.

Please note!
The Philips Table Top Mount must be ordered separately by Philips.

Components’ grounding
All arms with integrated cable management are equipped with components grounding. No grounding is required for arms with external or semi-integrated cable management with cables not being lead through joints.

Load capacity
All height adjustable arms have a load capacity of 22 kg/48.5 lbs. Rear mounted monitor adaptations and horizontally mounted 5” plunge plates accept a maximum monitor weight of 18 kg/39.7 lbs. Additional 4 kg/8.8 lbs may be mounted on a down-post underneath the front swivel part. Depending on material and tensile factor all weight indications have a 4-fold and/ or 6-fold safety factor according to EN 60601-1, 3rd Edition regulations.

Custom-designed solutions and MRI applications
Please contact us for custom-designed solutions.

Product marking
All CIM products are CE marked. As medical product risk class 1 they are conform with the regulations MDD 93/42 ECC and EN 60601-1, 3rd Edition. TUEV reports for numerous products especially for anaesthesia applications guarantee electrical and mechanical safety of our products.
PRODUCT HIGHLIGHTS

Non-height adjustable arm

Pivot and extended pivot arms offer **full cable integration** and easy cleaning for **infection control** in all critical care areas in the clinical environment. Our **5-years warranty** guarantees reliable, trouble-free and maintenance-free operation. The swivel function at the fixing point as well as the **tilt/swivel function** of the monitor adaptation offers optimum positioning of your device. The extended pivot arm is a two-part arm with central pivot point between the two arm sections. All bottom-mounted monitors have the safety feature of a 20° tilt stop.

Height adjustable arm

The height adjustable arm offers **full cable integration**, one-wipe clean surfaces and our **5-year warranty** on the entirety of the product. Vertically and horizontally adjustable the arm offers optimal positioning of your device. A constant viewing angle when vertically adjusted is guaranteed by a parallel linkage. **Weight-optimized springs counter-balance** the monitor without making any adjustments. All bottom-mounted monitors have the safety feature of a 20° tilt stop. Individual rotational stops may be integrated in any joint.

SAFETY

To provide the perfect combination of arm and monitor, the CIM articulated height adjustable arm has a simply quarter-turn lock to hold the arm safely in position when removing the monitor. Furthermore the arm is equipped with the unique safety feature of a slow-release gas spring. Should anybody try to remove the monitor before locking the arm in position, our arm will only rise at a slow and even tempo.