MOUNTING REFERENCE GUIDE

Philips Monitoring IntelliVue Serie with Keyboard Tray

CIM Cable Integrated Mounting System
Content

General notes .................................................................................................................. 3
How to create part numbers .......................................................................................... 4
Product highlights ........................................................................................................ 6
Support arm pivot ........................................................................................................ 7
Extended pivot arm heavy duty ....................................................................................... 9
Height adjustable arm .................................................................................................. 11
Extended height adjustable arm ................................................................................... 13
Fixings ............................................................................................................................. 15
Fixings for anaesthesia machines .................................................................................. 16
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 component grounding. No grounding is required for arms with external or semi-integrated cable management with cables not being led 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. An 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 and they 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 and are available upon request.
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 = support arm pivot
   H33030LPH = extended pivot arm heavy duty
   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, 8 x 35, 10 x 30, 10 x 50 mm
   3 = vertical rail 10 x 25 mm
   3DR = dual vertical rails, distance 150 mm/ 5.9”
   3TX = dual vertical rails, distance 225 mm/ 8.9”
   4V = vertical wall channel
   13 = Mindray medical supply units
   17 = Amico pendants & headwalls
   9 = Löwenstein Medical anaesthesia machine
   4K = anaesthesia machine with existing channel
How to create part numbers

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):
   95 = 3 - 8 kg / 6.6 - 17.6 lbs
   130 = 6.5 - 12 kg / 14.3 - 26.5 lbs
   175 = 12 - 15 kg / 26.5 - 33 lbs
   220 = 15 - 21 kg / 33 - 46.3 lbs

7. Specify the requested size of the keyboard tray and mouse (T):
   Standard Magnetic With wrist rest Dimensions
   30 30S  = 300 x 210 mm / 11.8 x 8.3"
   40 40S  = 400 x 150 mm / 15.7 x 5.9"
   50 50S 50W = 500 x 200 mm / 19.7 x 7.9"
   58 58S 58W = 580 x 200 mm / 22.8 x 7.9"

Example

<table>
<thead>
<tr>
<th>01 Grounding</th>
<th>02 Arm version</th>
<th>03 Fixing</th>
<th>04 &amp; 05 Colour</th>
<th>06 Spring tension</th>
<th>07 Keyboard tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>-</td>
<td>Y</td>
<td>- CD</td>
<td>_ X</td>
<td>_ T</td>
</tr>
<tr>
<td>A</td>
<td>- 431LPH</td>
<td>- 4V</td>
<td>- gr1</td>
<td>_ 95</td>
<td>_ 30</td>
</tr>
</tbody>
</table>
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.

To provide the perfect combination of arm and monitor, the CIM articulated height adjustable arm has a simple 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, the arm will only rise at a slow and even tempo.
Support arm pivot

Monitor / keyboard adaption
prepared to accept Philips Table Top Mount

Colours to choose
decorative parts  RAL 5013 cobalt blue / RAL 7024 graphite grey
aluminum parts  RAL 9016 traffic white / RAL 9002 grey white

Max. load capacity support arm
17 kg / 37.5 lbs

Max. load monitor adaptation
17 kg / 37.5 lbs

Product weight
240 mm: 2.6 kg - 3.9kg / 9.5"; 5.7 lbs - 8.6 lbs  (according to dimensions of keyboard tray)
300 mm: 2.8 kg - 4.0 kg / 11.8"; 6.2 lbs - 8.8 lbs  (according to dimensions of keyboard tray)

Keyboard tray
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
arm length: 240 mm  arm length: 300 mm
A-224LPH-Y.CD_T  A-230LPH-Y.CD_T

Fixings

4V  Adapter for vertical wall channel
2F  Fixed rail clamp
13  Adapter for Mindray medical supply units
17  Adapter for Amico pendants & headwalls
3  Vertical rail clamp
3DR 3TX  Dual vertical rail clamp
1  Fixed / universal pole clamp
1F 1C 4K  Adapter for anaesthesia machines with existing side channel

Y | details page 15 and 16
Support arm pivot

Technical data - arm length 300 mm / 11.8" - keyboard tray 580 x 200 mm / 22.8 x 7.9"

SIDE VIEW

TOP VIEW
Extended pivot arm heavy duty

Monitor / keyboard adaption
- prepared to accept Philips Table Top Mount

Colours to choose
- decorative parts: RAL 5013 cobalt blue / RAL 7024 graphite grey
- aluminum parts: RAL 9016 traffic white / RAL 9002 grey white

Max. load capacity support arm
- 17 kg / 37.5 lbs

Max. load monitor adaptation
- 17 kg / 37.5 lbs

Product weight
- 4.0 kg – 5.1 kg / 8.8 lbs - 11.2 lbs (according to dimensions of keyboard tray)

Keyboard tray
- 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-H33030LPH-Y.CD_T

Fixings
- Y | details page 15 and 16

- 4V
  - Adapter for vertical wall channel

- 2F
  - Fixed rail clamp

- 3
  - Vertical rail clamp

- 3DR
  - Dual vertical rail clamp

- 3TX
  - Fixed / universal pole clamp

- 1F
  - Adapter for Amico pendants & headwalls

- 1C
  - Adapter for Mindray medical supply units

- 4K
  - Adapter for Löwenstein Medical anaesthesia machines with existing side channel
Extended pivot arm heavy duty

Technical data - keyboard tray 580 x 200 mm / 22.8 x 7.9”
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 cobalt blue / RAL 7024 graphite grey
aluminum parts RAL 9016 traffic 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
4.2 kg - 5.4 kg / 9.3 lbs - 11.9 lbs (according to dimensions of keyboard tray)

Keyboard tray
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”

Balancing range
950 N (3 - 8 kg / 6.6 - 17.6 lbs); 1300 N (6.5 - 12 kg / 14.3 - 26.5 lbs);
1750 N (12 - 15 kg / 26.5 - 33 lbs); 2200 N (15 - 21 kg / 33 - 46.3 lbs)

Part number
A-431LPH-Y.CD_X_T

Fixings

Y | details page 15 and 16

4V
Adapter for vertical wall channel

2F
Fixed rail clamp

3
Vertical rail clamp

3DR
Dual vertical rail clamp

3TX
Fixed / universal pole clamp

1F
Adapter for Mindray medical supply units

1C
Adapter for Amico pendants & headwalls

9
Adapter for Löwenstein Medical anaesthesia machines

4K
Adapter for anaesthesia machines with existing side channel
Height adjustable arm

Technical data - keyboard tray 300 x 210 mm / 11.8 x 8.3”

SIDE VIEW

TOP VIEW
Extended 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 cobalt blue / RAL 7024 graphite grey
                        aluminum parts RAL 9016 traffic 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: 5.7 kg - 6.9 kg / 12.6 lbs - 15.2 lbs (according to dimensions of keyboard tray)
Keyboard tray: 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"
Balancing range: 950 N (3 - 8 kg / 6.6 - 17.6 lbs); 1300 N (6.5 - 12 kg / 14.3 - 26.5 lbs);
                              1750 N (12 - 15 kg / 26.5 - 33 lbs); 2200 N (15 - 21 kg / 33 - 46.3 lbs)
Part number: A-73130LPH-Y.YCD_X_T

Fixings:

- Adapter for vertical wall channel
- Adapter for Mindray medical supply units
- Adapter for Amico pendants & headwalls
- Adapter for Lowenstein Medical anaesthesia machines
- Adapter for anaesthesia machines with existing side channel

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V

---

Monitor adaption
Height adjustment
Colours to choose
Max. load capacity support arm
Max. load monitor adaptation
Product weight
Keyboard tray
Balancing range
Part number
Fixings: 4V 2F 3 3DR 3TX 1 1F 1C 1V
Extended height adjustable arm

Technical data - keyboard tray 300 x 210 mm / 11.8 x 8.3”
## Fixings

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>Notes</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Adapter for vertical wall channel</td>
<td>To mount to CIM wall channel (compatible with GCX channel)</td>
<td>4V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Please order separately: CIM wall channel, see catalogue accessoires</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fixed rail clamp</td>
<td>To mount to horizontal European rails 10 x 25, 8 x 35, 10 x 30, 10 x 50 mm</td>
<td>2F</td>
</tr>
<tr>
<td></td>
<td>Vertical rail clamp</td>
<td>To mount to vertical European rail 10 x 25 mm</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Dual vertical rail clamp</td>
<td>To mount to two parallel vertical European rails 10 x 50 mm Distance between rails 150 mm / 5.9&quot;, e.g. Dräger pendant Distance between rails 225 mm / 8.9&quot;, e.g. Trilux pendant</td>
<td>3DR 3TX</td>
</tr>
<tr>
<td></td>
<td>Fixed pole clamp</td>
<td>To mount to pole ø 25 mm / 1.0&quot; To mount to pole ø 35 mm / 1.4&quot; To mount to pole ø 38 mm / 1.5&quot;</td>
<td>1F 1C</td>
</tr>
<tr>
<td></td>
<td>Universal pole clamp</td>
<td>V-block to mount to pole ø 23 - 40 mm / 0.9 - 1.6”</td>
<td>1V</td>
</tr>
<tr>
<td></td>
<td>Adapter medical supply units</td>
<td>For Mindray medical supply units</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Adapter pendants &amp; headwalls</td>
<td>For Amico pendants &amp; headwalls</td>
<td>17</td>
</tr>
</tbody>
</table>
Fixings for anaesthesia machines

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>Notes</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Adapter" /></td>
<td>Adapter for Löwenstein Medical anaesthesia machines</td>
<td>Adapter for Leon / Leon plus</td>
<td>9</td>
</tr>
<tr>
<td><img src="image2.png" alt="Adapter" /></td>
<td>Adapter for anaesthesia machines (all suppliers)</td>
<td>H 80 mm / 3.1” With existing side channel</td>
<td>4K</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 4K:

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
<th>Notes</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Adapter" /></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="image4.png" alt="Adapter" /></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>