### Ordering method

<table>
<thead>
<tr>
<th>YK300XGS</th>
<th>150</th>
</tr>
</thead>
</table>

#### Installation method
- Wall mount (same as per external view)
- Inverse wall mount (plastic chain)

#### Controller
- RCX340: 1000 VA

#### Safety standard
- UL/CSA
- CE
- EN/IEC

#### Controller Information
- Remote command / communication using RS-232C
- Remote control

### Specifications

<table>
<thead>
<tr>
<th>Axis</th>
<th>X-axis</th>
<th>Y-axis</th>
<th>Z-axis</th>
<th>R-axis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm length</td>
<td>150 mm</td>
<td>150 mm</td>
<td>150 mm</td>
<td>–</td>
</tr>
<tr>
<td>Standard cycle time: with 2kg payload (without tool)</td>
<td>0.49 sec</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R-axis tolerable moment of inertia (option)</td>
<td>0.05 kgm²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User wiring</td>
<td>0.2 sq x 10 wires</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>User tubing (Outer diameter)</td>
<td>6H7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robot cable length</td>
<td>Standard: 3.5 m, Option: 5 m, 10 m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>19.5 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note 1. This is the value at a constant ambient temperature.
Note 2. When reciprocating 25mm horizontally and 300mm horizontally (with a 2kg payload in rough-positioning arch motion).
Note 3. The acceleration coefficient is set automatically in accordance with the tip weight and R-axis moment of inertia settings.

### Notes
- Note 1. When installing the robot, always follow the specifications. Incorrect installation can cause trouble or malfunction.
- Note 2. During Z-axis return-to-origin, 4mm rise from lower limit stopper is allowed in addition to the tip mass.
- Note 3. Maximum payload of option specifications (with tool flange attached or with user wiring and tubing routed through spline shaft) is 4kg.
- Note 4. The movement range can be limited by changing the position of Y axis mechanical stopper. (The movement range is set to the maximum at the time of shipment.) See our robot manuals (installation manuals) for detailed information.
YK300XGS Tool flange mount type

YK300XGS

D-sub connector for user wiring (No. 1 to 10 usable)
User tubing 2 (Ø 4 red)
User tubing 1 (Ø 4 black)
User tubing 3 (Ø 4 blue)
M4 ground terminal

Cross section B-B
Keep enough space for the maintenance work on the top face of the base.

Working envelope
X-axis mechanical stopper position: 122°
Y-axis mechanical stopper position: 132°

Option:
Additional Z-axis upper limit stopper:
Allows changing the Z-axis origin position to a point 12mm, 15mm or 18mm (in 3mm steps) lower than the standard position.
Additional Z-axis lower limit stopper:
Allows changing the Z-axis stopper position to a point 17mm or more higher than the standard position.
(Lower limit of working envelope: 4mm from additional stopper)
(Cannot be used when user wiring and tubing are set through spline shaft.)

Controller RCX340