**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>350 mm</td>
<td>250 mm</td>
<td>150 mm</td>
<td>-</td>
</tr>
<tr>
<td>Rotation angle</td>
<td>+/-145°</td>
<td>+/-144°</td>
<td>-</td>
<td>+/-360°</td>
</tr>
</tbody>
</table>

**AC servo motor output**
- 200 W
- 150 W
- 100 W
- 50 W

**Deceleration**
- 4.9 m/sec²
- 1.1 m/sec²
- 1020 m/sec²

**Motor to speed reducer**
- Direct-coupled

**Speed reducer to output**
- Direct-coupled

**Repeatability**
- +/-0.01 mm
- +/-0.004 mm

**Maximum speed**
- 4.9 m/sec
- 1.1 m/sec
- 1020 m/sec

**Maximum payload**
- 5 kg (Standard specification)
- 4 kg (Option specifications)

**Standard cycle time**
- 0.54 sec

**R-axis tolerable moment of inertia**
- 0.05 kg·m² (0.5 kg·cm²)

**User wiring**
- 0.2 sq × 10 wires
- 4-M3 × 0.5 through-hole

**User tubing (Outer diameter)**
- 4 × 3

**Robot cable length**
- Standard: 3.5 m
- Option: 5 m, 10 m

**Weight**
- 22 kg

**Ordering method**

**YK600XGL - 150**
- Model
- Z-axis stroke: 350 mm
- Controller: RCX340
- Number of controlable axes: 4

**Controller**
- Power capacity (VA): 1000
- Operation method: Programming / I/O point tracce / Remote command / Operation using RS-232C communication

**Note:** The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set at the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.

**Note:** To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user’s manual (installation manual) for more details.

**Ordering method**
- YK600XGL
- Controller: RCX340

**Specifying various controller setting items. RCX340 → P.566**

**Controller Power capacity (VA) Operation method**
- RCX340: 1000
- Programming / I/O point tracce / Remote command / Operation using RS-232C communication

**Note:** The movement range can be limited by changing the positions of X and Y axis mechanical stoppers. (The movement range is set at the maximum at the time of shipment.)

See our robot manuals (installation manuals) for detailed information.

**Note:** To set the standard coordinates with high accuracy, use a standard coordinate setting jig (option). Refer to the user’s manual (installation manual) for more details.

Our robot manuals (installation manuals) can be downloaded from our website at the address below:
The weight of the tool attached here should be added to the tip mass.

User tubing 1 (ϕ4 black)
User tubing 2 (ϕ4 red)
User tubing 3 (ϕ4 blue)

- D-sub connector for user wiring (No. 1 to 10 usable)
- User tubing 1 (ϕ4 black)
- User tubing 2 (ϕ4 red)
- User tubing 3 (ϕ4 blue)

- Option: User wiring/tubing through spline type
- 4-M3 × 0.5 through-hole (No phase relation to R-axis origin.)

- Note that the robot cannot be used at a position where the base flange or robot cable interferes with the tool flange in the working envelope shown above.
- X-axis mechanical stopper position: 142°
- Y-axis mechanical stopper position: 146°

X-axis mechanical stopper position: 142°
Y-axis mechanical stopper position: 146°

- Do not move the cable.
- Keep enough space for the maintenance work at the rear of the base.

Tapped hole for user wiring 6-M3 × 0.5 Depth 6

Controller RCX340 > 566

Controller

Model YK600XGL Tool flange mount type

Dimensions:

- View of F
- View of E