

YK350X

Standard Type

Arm length 350mm/Maximum payload 3kg

Robot ordering method

YK350X - 150 - 3L - RCX142 - E - N1 - CC - S

Model Z axis stroke Cable length Controller CE Expansion I/O Network Battery

150:150mm (MAX:300mm*) 3L:3.5m 5L:5m 10L:10m Blank:Standard E:CE specification

Controller type: Refer to the Controller Catalog for further details.

Basic specifications

* The products with Z axis stroke of 200 mm or more are built to the order. Contact us for the delivery period, specifications, external appearance, etc.

| Model | | YK350X | |
|--|---|----------------|--------|
| Axis specifications | X axis | Arm length | 225mm |
| | | Rotation range | ± 115° |
| | Y axis | Arm length | 125mm |
| | | Rotation range | ± 140° |
| | Z axis | Stroke | 150mm |
| R axis | Rotation range | ± 180° | |
| Motor | X axis | 200W | |
| | Y axis | 100W | |
| | Z axis | 100W | |
| | R axis | 100W | |
| Maximum speed | X, Y combined | 5.0m / s | |
| | Z axis | 1.0m / s | |
| | R axis | 1020° / s | |
| Repeatability*1 | X, Y axis | ± 0.01mm | |
| | Z axis | ± 0.01mm | |
| | R axis | ± 0.005° | |
| | Max. payload | 3kg | |
| Standard cycle time (with 2kg payload) | 0.54 sec. | | |
| R axis allowable moment inertia*2 | 0.049kgm ² (0.5kgfcm ²) | | |
| User wiring | 0.2sq × 10 wires | | |
| User tubing | ø4 × 3 | | |
| Movement limit setting | 1. Soft limit, 2. Mechanical limit (X, Y, Z axes) | | |
| Robot cable | Standard 3.5m Option: 5m, 10m | | |
| Controller, Power supply capacity | RCX142, 1000VA | | |
| Weight | 15kg | | |

*1: This is the value at a constant ambient temperature. (X, Y axes)

*2: There are limits to the setting of the acceleration coefficient.



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