

YP330X 3 axes



Ordering method

YP330X **RCX340-3**

Model **Controller / Number of controllable axes** **Safety standard** **Option A (OP.A)** **Option B (OP.B)** **Option C (OP.C)** **Option D (OP.D)** **Option E (OP.E)** **Absolute battery**

Cable length
 3L: 3.5m
 5L: 5m
 10L: 10m

Specify various controller setting items. RCX340 ▶ P.494

RCX240S **BB**

Controller **CE Marking** **Expansion I/O** **Network option** **iVY System** **Gripper** **Battery**

Specify various controller setting items. RCX240/RCX240S ▶ P.481

Specifications

	X axis	Y axis	Z axis
AC servo motor output (W)	200	200	200
Repeatability ^{Note 1} (mm)	+/-0.02	+/-0.02	+/-0.05
Drive system	Ball screw (C7 class)	Ball screw (C7 class)	Timing belt
Deceleration ratio (mm)	Equivalent to lead 20	Equivalent to lead 20	Equivalent to lead 25
Maximum speed ^{Note 2} (mm/sec)	1500	1000	1500
Moving range (mm)	330	150	100
Cycle time (sec)	0.57 ^{Note 3} , 0.78 ^{Note 4}		
Maximum payload (kg)	3		
Robot cable length (m)	Standard: 3.5 Option: 5,10		
Weight (kg)	32		

Note 1. Positioning repeatability precision in a single swing when residual vibration is stabilized (variable depending on the load and stroke).
 Note 2. When the moving stroke is short, the maximum speed may not be reached.
 Note 3. Reciprocating time in vertical direction (50mm) and longitudinal direction (150mm) with the arch amount of 50 (when executing rough-positioning arch motion with 1kg load).
 Note 4. Reciprocating time in vertical direction (25mm) and longitudinal direction (300mm) with the arch amount of 25 (when executing rough-positioning arch motion with 1kg load).

Controller

Controller	Power consumption (VA)	Operating method
RCX340 RCX240S	700	Programming / I/O point trace / Remote command / Operation using RS-232C communication

APPLICATION
 TRANSERO Compact single-axis robots
 FLIP-X Single-axis robots
 PHASER Linear motor single-axis robots
 X-Y Cartesian robots
 Y-K SARA robots
 YP-X Pick & place robots
 CLEAN
 CONTROLLER INFORMATION
 2-axes
 3-axes
 4-axes

YP330X

4-Coupling for airφ4
 Grounding terminal (M4)

YAMAHA YP SERIES

Dimensions: (650), 431, 66, 14, 193, 4 (Note 1), 2 (Note 1), Z stroke: 100, (57), 214, 328, 78, 15.5, 123, 102, 38, 34, 78, 38, 3, 5 (Note 1), 16, 280, 2 (Note 1), 7.5, 319, 5 (Note 1), 78, X stroke: 330, 12.5, (319), 60, 175, 60, 12, (280), 255, 8-M8 x 1.25, Depth20 (Note 3), 9.5, 15, 10, 57, 25, 14.5, 25, 34, 4-M5 x 0.8, Details of tool plate

Note 1. Distance to mechanical stopper.
 Note 2. Return-to-origin on the YP330X is by absolute reset. So the origin position must be set the first time (making initial settings) but after that is not required.
 Note 3. Do not use bolts longer than 20mm (robot bottom plate thickness).