

YP220BX 2 axes



Ordering method

YP220BX		RCX222			
Model	Cable length	Controller	Usable for CE	Inputs/Outputs selection 1	Inputs/Outputs selection 2
	3L: 3.5m 5L: 5m 10L: 10m	RCX222	No entry: Standard E: CE marking	N: NPN ^{Note 2} P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS EN: Ethernet YC: YC-Link ^{Note 1}	No entry: None N1: OP:DIO24/16 (NPN) ^{Note 2} P1: OP:DIO24/17 (PNP) EN: Ethernet ^{Note 3}

Note 1. Available only for the master.
 Note 2. NPN cannot be selected if using CE marking.
 Note 3. Only when you have selected CC, DN or PB for Input/Output selection 1, you can select EN for Input/Output selection 2.

Specifications

	X axis	Z axis
AC servo motor output (W)	200	200
Repeatability ^{Note 1} (mm)	+/-0.05	+/-0.05
Drive system	Timing belt	Timing belt
Deceleration ratio (mm)	Equivalent to lead 24	Equivalent to lead 20
Maximum speed ^{Note 2} (mm/sec)	1440	1200
Moving range (mm)	200	100
Cycle time (sec)	0.45 ^{Note 3}	
Maximum payload (kg)	3	
Robot cable length (m)	Standard: 3.5 Option: 5,10	
Weight (kg)	17	

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).

Controller

Controller	Power consumption (VA)	Operating method
RCX222	500	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
- XY-X Cartesian robots
- YK-X SCARA robots
- YP-X Pick & place robots

- CLEAN
- CONTROLLER INFORMATION
- 2-axes
- 3-axes
- 4-axes

YP220BX

Labels in drawing: Coupling for air (φ6), Coupling for air (φ4), Robot cable Grounding terminal (M4), 8-M4 x 0.7 (for user installation) (same four places on opposite side), Air tube detachable connection, Tool plate, Details of tool plate.

Dimensions: MAX. 600, 287, 20, 468.5, 510, (583), 73+/-2, 5 (Note 1), 13, 68, 232, 100, (57), 4 (Note 1), 79, 56.5, 21, 89, 109, 4-φ10, 490, 10, 11, 67, 9.5, 15, 2, 10, 57, 25, 14.5, 25, 34, 4-M5 x 0.8.

Stroke: X stroke: 200, Z stroke: 100 (57).

Notes:
 Note 1. Distance to mechanical stopper.
 Note 2. Return-to-origin on the YP220BX is by absolute reset. So the origin position must be set the first time (making initial settings) but after that is not required.