

YK220X

Standard Type

Arm length 220mm/Maximum payload 1kg

Robot ordering method

YK220X - 100 - 3L - RCX142 - E - N1 - CC - S

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

100:100mm
3L:3.5m
5L:5m
10L:10m

Blank-Standard
E-CE specification

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

Basic specifications

Model		YK220X	
Axis specifications	X axis	Arm length	111mm
		Rotation range	± 120°
	Y axis	Arm length	109mm
		Rotation range	± 140°
Z axis	Stroke	100mm	
R axis	Rotation range	± 180°	
Motor	X axis	50W	
	Y axis	30W	
	Z axis	30W	
	R axis	30W	
Maximum speed	X, Y combined	3.4m / s	
	Z axis	0.7m / s	
	R axis	1700° / s	
Repeatability*1	X, Y axis	± 0.01mm	
	Z axis	± 0.01mm	
	R axis	± 0.01°	
Max. payload		1.0kg	
Standard cycle time (with 0.1kg payload)*2		0.42 sec.	
R axis allowable moment inertia*3		0.1kgfcm ²	
User wiring		0.1sq × 6 wires	
User tubing		ø3 × 2	
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, 500VA	
Weight		7kg	



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*1: This is the value at a constant ambient temperature. (X,Y axes).
*2: When reciprocating 100mm in horizontal and 25mm in vertical directions.
*3: There are limits to the setting of the acceleration coefficient.

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Connector for user cables (Adapted to #1 to 6)
Use YC12 for the press-fitting device with the SM connector SMR-6V-B pin SYM-001T-P0.6 made by J. S. T. Mfg Co., Ltd.

