

YK1000XC

● Arm length 1000mm ● Maximum payload 20kg

Ordering method

YK1000XC			RCX240		R			BB
Model	Z axis stroke 200: 200mm 400: 400mm	Cable length 3L: 3.5m (Standard) 5L: 5m 10L: 10m	Controller	Usable for CE No entry: Standard E: CE marking	Regenerative unit R: RGU-2	Expansion I/O ^{Note 1} N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72	Network option No entry: None CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet YC: YC-Link ^{Note 2}	Battery BB: 4 pcs

Note 1. Use N to N4 when NPN is selected on the I/O board, and P to P4 when PNP is selected.
Note 2. Available only for the master.



Basic specifications

Axis specifications	Arm length (mm)	X axis	Y axis	Z axis	R axis
Rotation angle ()		+/-120	+/-145	-	+/-360
AC servo motor output (W)		800	400	400	200
Repeatability ^{Note 1} (XYZ mm) (R)		+/-0.02		+/-0.01	+/-0.005
Maximum speed (XYZ m/sec) (R /sec)		8.0		1.7	600
Maximum payload (kg)		20			
Standard cycle time with 2kg payload (sec)		0.60			
R-axis tolerable moment of inertia ^{Note 2} (kgm ²)		0.32			
User wiring (sq x wires)		0.2 x 20			
User tubing (Outer diameter)		φ6 x 3			
Travel limit		1.Soft limit, 2.Mechanical stopper (X, Y, Z axes)			
Robot cable length (m)		Standard: 3.5 Option: 5, 10			
Weight (kg)		59			
Degree of cleanliness		CLASS 10 ^{Note 3}			
Intake air (Nl/min)		60 ^{Note 4}			

Note 1. This is the value at a constant ambient temperature. (X,Y axes)
Note 2. There are limits to the setting of the acceleration coefficient.
Note 3. Per 1cf (0.1μm base), when suction blower is used.
Note 4. The necessary intake amount varies depending on the use conditions and environment.

Controller

Controller	Power capacity (VA)	Operation method
RCX240-R	2000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

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