

YK250XCH

- Arm length 250mm
- Maximum payload 3kg

Ordering method

YK250XCH - 150		RCX240				BB
Model	Z axis stroke	Cable length	Controller	Usable for CE	Expansion I/O ^{Note 1}	Network option
	150: 150mm	3L: 3.5m (Standard) 5L: 5m 10L: 10m		No entry: Standard E: CE marking	N, P: Standard I/O 16/8 N1, P1: 40/24 N2, P2: 64/40 N3, P3: 88/56 N4, P4: 112/72	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

	X axis	Y axis	Z axis	R axis
Axis specifications				
Arm length (mm)	125	125	150	-
Rotation angle ()	+/-115	+/-130	-	+/-360
AC servo motor output (W)	200	100	100	100
Repeatability ^{Note 1} (XYZ mm) (R)	+/-0.01		+/-0.01	+/-0.005
Maximum speed (XYZ m/sec) (R /sec)	4.0		1.0	1020
Maximum payload (kg)	3			
Standard cycle time with 2kg payload (sec)	0.54			
R-axis tolerable moment of inertia ^{Note 2} (kgm ²)	0.05			
User wiring (sq x wires)	0.2 x 10			
User tubing (Outer diameter)	φ4 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)	16			
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	1000	Programming / I/O point trace / Remote command / Operation using RS-232C communication

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