

Model CP-650S

Operating range Arm length 650mm Joint#3 stroke 40mm

Payload Rated 5kg/Maximum 10kg

Standard cycle time 0.6 sec



Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability $\pm 0.02\text{mm}$ $\pm 0.02\text{mm}$ $\pm 0.01^\circ$
Joint #1,#2 Joint #3 Joint #4

Parameters of each axis

Joint Content	#1\#5	#2	#3	#4
MAX Operating Speed	7619 mm/s	3642mm/s	2346mm/s	3625°/s
MAX Motion Range	$\pm 225^\circ$	$\pm 130^\circ$	40mm	$\pm 360^\circ$
Motor Power Consumption	1000W	750W	100W	100W
Joint#3 down force	-	-	-	-
Weight	49kg (cables not included)			

Joint #4 allowable moment of inertia, rate $0.005\text{kg} \cdot \text{m}^2$, maximum $0.05\text{kg} \cdot \text{m}^2$

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	Stander: 21 Pin Max: 42 Pin (without working header + M12*2 Aviation Connector)
Installed pneumatic tube for customer use	$\phi 6\text{mm} \times 2$
Visual Interface	2
Installation Environment	Stander/Clean (Customized)

Outer Dimensions and Motion Range

