

High payload SCARA robot TH650A

TH650A



Model	TH650A	
Type	Horizontal multi-joint	
No. of controlled axes	4	
Arm length	650 mm (300 mm+350 mm)	
Working envelope	Axis 1	$\pm 160^\circ$
	Axis 2	$\pm 143^\circ$
	Axis 3 (Z-axis)	200 mm (optional: 400 mm)
	Axis 4 (Z-axis rotation)	$\pm 360^\circ$
Maximum speed	Axis 1	340°/s
	Axis 2	600°/s
	Axis 3 (Z-axis)	2050 mm/s
	Axis 4 (Z-axis rotation)	1700°/s
Composite	7.52 m/s	
Standard cycle time (with 2kg load)	0.31 s *2	
Maximum payload mass	10 kg (rated: 2 kg)	
Allowable moment of inertia	0.1 kgm ² *3	
Positioning X-Y	± 0.01 mm *4	
repeatability Z (Axis 3)	± 0.01 mm *4	
	Axis 4 (Z-axis rotation)	$\pm 0.004^\circ$ *4
Hand wiring	5 inputs / 4 outputs	
Hand piping	4 pcs. ($\phi 6$)	
Position detection	Absolute	
Robot controller cable	5 m (optional: max. 25 m)	
Power Capacity	3.5 kVA	
Mass	52 kg	

■ For *2, *3 and *4, see page 5.

External view

