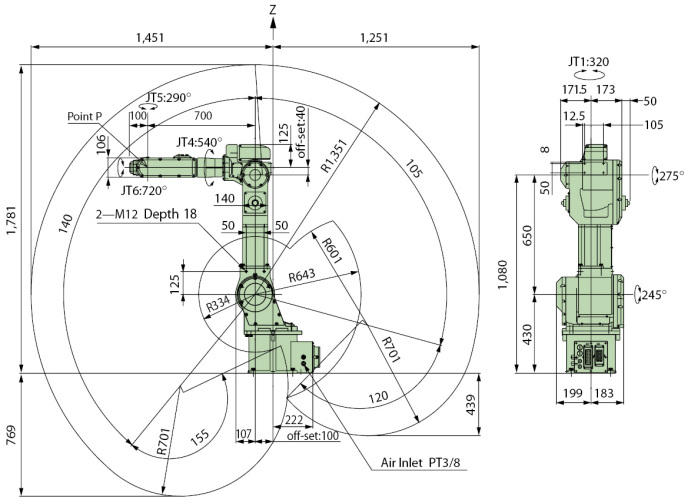
FS10E

Product Specification

Standard Applications:

- Arc Welding
- Dispensing
- Sealing
- Material Handling
- Machine Tending
- Material Removal
- Assembly
- Inspection



Arm Type	Articulated		
Degrees of Freedom	6 (Optionally 7)		
Axes Work Envelope and Maximum Speed	**Axis**	**Work Envelope**	**Maximum Speed**
	Arm Rotation (JT1)	± 160°	200° /s
	Arm Out-In (JT2)	+140° ~ -105°	140° /s
	Arm Up-Down (JT3)	+120° ~ -155°	200° /s
	Wrist Swivel (JT4)	± 270°	360° /s
	Wrist Bend (JT5)	± 145°	360° /s
	Wrist Twist (JT6)	± 360°	600° /s
	Arm Traverse (JT7)	Standard 2000 mm	1200 mm/s
Position Repeatability	±0.1 mm (at center of tool mounting surface)		
Payload	10 kg		
Maximum Linear Speed	8800 mm/s (Maximum Linear Interpolation Speed: 1600 mm/s)		
Wrist Load Capacity	(kgf * cm * s^2) (kg * m^2) (NOTE) Moment of Inertia JT4,5 Calculate precisely when wrist load is near the boundary zone on the left diagram because the scale is not accurate. 1.45 JT6 0.375 0.63 0.15 Moment (N * m) (kgf * m)		
Driving Motor	Brushless AC Servomotor		
Mass	170 kg (excluding options)		
Color	Kawasaki Standard		
Installation	Floor and ceiling mount		
Ambient Temperature Relative Humidity	0 – 45° C for manipulator 35 – 85% non-condensing		
Pneumatic Piping	Built-in Pneumatic Piping		
Power/Signal Cable Length	7 m		
Built-in Circuit	Built-in Sensor Harness; 4 circuits, 24 VDC, GND		
IP Rating	Wrist–IP67; Arm–IP65		
Options	Power/Signal Cable Length: 10 m, 15 m		
	Installation	Wall Mount	
	Protection	Dust Proof	
	Built-in Valve	1D/2D/1S/2S/1S1D	
	Installation Base	Robot Riser 600 mm, Robot Riser 300 mm, Base Plate	
	Mechanical Stopper	JT1,2,3 adustable (22.5 deg)	
	Cover	Zeroing Surface Protect Cover	
Consult us about Maintenance Parts and Spare Parts.			