



OTC DAIHEN EUROPE

Roboter – Technische Daten
Manipulator Specifications

FD-LP180

Model		FD-LP180	
Kinematic		Vertical artic. type	
No. of Axes		4	
P-Point (Working Range)		R 3,210 mm	
Maximum Payload Capacity		180 kg	
Positional Repeatability(*1)		± 0.4 mm	
Driving Method		AC Servo Motor	
Working Range	Arm	J1 (Rotation)	± 180°
		J2 (Vertical)	-95° ~ +40°
		J7	
	Wrist	J3* (Rotation)	-117° ~ +17°
		J4 (Rotation)	± 360°
		J5 (Bending)	
Maximum Speed	Arm	J1 (Rotation)	115°/s
		J2 (Vertical)	100°/s
		J7	
	Wrist	J3* (Rotation)	105°/s
		J4 (Rotation)	360°/s
		J5 (Bending)	
Maximum Payload	Allowable Moment	J6 (Rotation)	
		J1 (Rotation)	
		J2 (Vertical)	
		J3* (Rotation)	
		J4 (Rotation)	69.00 kg/m ²
		J5 (Bending)	
Ambient Temp./Humidity		0 ~ 45°, 20 ~ 85%	
Mass (weight)		1,150 kg	
Upper arm max. Carrying capacity(*2)		25 kg	
Origin Return		Note 3	
Installation Position		F	



J3* (Rotation): A combined rotation of the axes J2 and J3

Note 1: Measured value obtained after sufficient repetition of automatic operation for stabilizing conditions.

Note 2: When the output flange of the wrist axis is loaded with maximum payload capacity.

Note 3: Positional data protected by battery-backed storage inside the manipulator.

F = Floor W = Wall C = Ceiling

