



OTC DAIHEN EUROPE

**Roboter – Technische Daten  
Manipulator Specifications**

**FD-LP130**

Model		<b>FD-LP130</b>	
Kinematic		Vertical artic. type	
No. of Axes		4	
P-Point (Working Range)		R 3,210 mm	
Maximum Payload Capacity		130 kg	
Positional Repeatability(*1)		± 0.3 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)	130°/s
		J2 (Vertical)	115°/s
		J7	
	Wrist	J3 (Rotation)	115°/s
		J4 (Rotation)	360°/s
		J6 (Rotation)	
Maximum Payload	Allowable Moment	J1 (Rotation)	
		J2 (Vertical)	
		J3 (Rotation)	
		J4 (Rotation)	50.00 kg/m <sup>2</sup>
		J5 (Bending)	
		J6 (Rotation)	
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	



- 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

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