



**OTC DAIHEN EUROPE**

**Roboter – Technische Daten  
Manipulator Specifications**

**FD-V6L**

Model		FD-V6L
Kinematic		Vertical artic. type
No. of Axes		6
P-Point (Working Range)		R 2,006 mm
Maximum Payload Capacity		6 kg
Positional Repeatability(*1)		± 0.08 mm
Driving Method		AC Servo Motor
Working Range	J1 (Rotation)	± 170°
	J2 (Vertical)	-155° ≈ +100°
	J7	
	J3 (Rotation)	-170° ≈ +260°
	J4 (Rotation)	± 180°
	J5 (Bending)	-50° ≈ +230°
	J6 (Rotation)	± 360°
Maximum Speed	Arm J1 (Rotation)	195°/s
	Arm J2 (Vertical)	200°/s
	J7	
	J3 (Rotation)	200°/s
	J4 (Rotation)	420°/s
	J5 (Bending)	420°/s
	J6 (Rotation)	620°/s
Allowable Moment	J1 (Rotation)	11.8 Nm
	J2 (Vertical)	9.8 Nm
	J3 (Rotation)	5.9 Nm
	J4 (Rotation)	0.30 kg/m <sup>2</sup>
	J5 (Bending)	0.25 kg/m <sup>2</sup>
	J6 (Rotation)	0.06 kg/m <sup>2</sup>
	Ambient Temp./Humidity	0 ≈ 45°, 20 ≈ 80%
Mass (weight)		280 kg
Upper arm max. Carrying capacity(*2)		20 kg (Note 2)
Origin Return		Note 3
Installation Position		F, W, C



- 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

