

RV-M1 Specifications and Dimensions

Specifications

MOVEMASTER RV-M1		
Construction	Vertical, articulated	
Degrees of freedom	5 (not including hand)	
Electrical drive system	DC servo motors	
Reach	250 + 160 mm	
Operation range	Waist rotation	300° (max. 120°/s)
	Shoulder rotation	130° (max. 72°/s)
	Elbow rotation	110° (max. 109°/s)
	Wrist pitch	± 90° (max. 100°/s)
	Wrist roll	± 180° (max. 163°/s)
Maximum path velocity	1,000 mm/s (PTP at wrist tool plate)	
Lifting capacity	1.2 kg incl. hand	
Position repeatability	± 0.3 mm at wrist tool plate	
Position direction	Limit switches and encoders	
Installation position	Horizontal	
Ambient temperature	5° C - 40° C	
Weight	19 kg	

Drive Unit	
Teaching methods	MDI (manual data input) and playback
Control system	PTP, all axes simultaneously
Position detection	Photodetectors and encoders
Speed levels	0 - 9 (10 levels)
Position memory	629 (max.)
Program memory	2,048 (max.)
Interfaces	Parallel (Centronics), serial (RS-232C)
Program development	Personal computer
Programming language	BASIC
External I/Os	16 inputs, 16 outputs, EMERGENCY STOP (3 inputs configurable for interrupts)
Power supply	120 V AC, single phase, 50/60 Hz, 500 VA
Weight	23 kg

Dimensions

