

## MR10-1440

Standard

Control cabinet

Programmer Specifications

<b>Model:</b>	MR10-1440		
<b>Axis</b>	6-axis		
<b>Motion radius</b>	1440mm		
<b>Payload</b>	10 KG		
<b>Protection class</b>	J1,J2(IP56),J3,J4,J5,J6(IP67)		
<b>Installation type</b>	Floor type/frame type/ceiling type		
<b>Power capacity</b>	4.5KVA		
<b>Input/output signals</b>	Standard 16in/16 out,24VDC		
<b>Robot mass</b>	210KG		
<b>Repeatability</b>	±0.05mm		
<b>Applications</b>	Welding special version(MAG/MIG/TIG/Laser/Al/SS/CS)		
<b>Axis 4 R(N.m)</b>	103.5		
<b>Axis 5 B(N.m)</b>	51.84		
<b>Axis 6T(N.m)</b>	32.64		
<b>Built-in air duct</b>	Φ10		
<b>Use environment</b>	Temperature0-45°C, Humidity20-80%RH, no condensing, Vibration Below4.9m/S <sup>2</sup> (0.5G), Altitude Below 1000m		
<b>Installation environment</b>	No flammable substances, no corrosive gases, no corrosive liquids, no splashing water, less oil, less dust, far away from electromagnetic, sources and magnetic fields		
<b>Motion Parameters:</b>	<b>Axis</b>	<b>Range Of Motion</b>	<b>Movement Speed</b>
	Axis 1S	±160°	285°/s
	Axis 2L	+80° to-145°	247°/s
	Axis 3U	+145° to-75°	285°/s
	Axis 4R	±190°	392°/s
	Axis 5B	+50° to-210°	272°/s
	Axis 6T	±220°	1353°/s



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<b>Dimensions</b>	650(W)*495(D)*580(H)mm(with protrusions)
<b>Approximate weight</b>	60kg
<b>Cooling method</b>	Natural cooling
<b>Input power</b>	1PH 220VAC,50/60HZ
<b>Grounding</b>	Industrial grounding(grounding resistance below 100Ω special grounding)
<b>Input output signal</b>	Common signals:16 digital inputs, 16 digital outputs
<b>Position control</b>	Serial communication EtherCAT,TCP/IP
<b>Memory capacity</b>	JOB:200000 steps.Robot instructions:10000.(200MB)
<b>LAN(communication)</b>	EtherCAT(1),TCP/IP(1)
<b>LAN(communication)</b>	EtherCAT(1),TCP/IP(1)
<b>Serial interface</b>	RS485(1),RS422(1),RS232(1),CAN(1),USB(1)
<b>Control mode</b>	Servo software
<b>Drive unit</b>	AC servo(6 axis),optional external axis
<b>Temperature</b>	0~+45°C(use),-20~+60°C(storage)
<b>Humidity</b>	10~90%RH,no condensing
<b>Altitude</b>	Below 1000m,Degrade 1% for every additional 100m,max 2000m
<b>Vibration</b>	Below 4.9m/S <sup>2</sup> (0.5G)
<b>Installation environment</b>	No flammable substances,no corrosive gases,no corrosive liquids;No dust,cutting fluid (including coolant),organic solvents,lampblack,water,slat,chemicals,anti-rust oil;No strong microwave,ultraviolet rays,X-rays,radiation exposure



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<b>Dimensions</b>	280(W)*220(D)*120(H) mm(with protrusions)
<b>Gross weight</b>	0.6KG
<b>Material</b>	Reinforced plastic
<b>Operation buttons</b>	Selection button, axis operation button, numerical value/application button, mode switch with key/(teaching mode, playback mode, remote mode), emergency stop button, enable button, 1USB port
<b>Display</b>	8-inch colorLCD. Touch screen 640×480 pixels
<b>Protection class</b>	IP54
<b>Cable length</b>	Standard:5m.Optional:up to 15m.

