

Robot Controller Specifications (HM-E Series)

Item		Specifications
Applicable robot		Medium-sized, horizontal articulated type (HM-E)
Model		RC5-HME4BA
Control system		PTP, CP 3-dimensional linear, 3-dimensional circular
No. of controllable axes		Up to four axes simultaneously
Drive system		All axes: all digital AC servo
Memory capacity		1.25 MB (equivalent to 5000 steps, 13,000 points)
Language used		DENSO robot language (conforming to SLIM)
No. of teach programs loadable to the memory		255
Teaching system		1) Remote teaching 2) Numerical input (MDI) 3) Direct teaching
External signals (I/O)	Input signal	20 user open points (PLC 12, hand input 8) + 36 fixed system points
	Output signal	32 user open points (PLC 24, hand output 8) + 33 fixed system points
External communication		RS-232C:1 line Ethernet:1 line (option)
Timer function		0.02 to 10 sec. (in increment of 1/60 sec.)
Self-diagnosis function		Overrun, servo error, memory error, input error, etc.
Error display		Error codes will be displayed on the external I/O, the operating panel (option) or mini-pendant (option). Error messages will be displayed in English on the teach pendant (option).
Power source		3-phase : 200 VAC-15% to 230VAC+10%, 50/60 Hz, 2.5 kVA Single-phase : 230 VAC-10% to 230 VAC+10%, 50/60 Hz, 2.5 kVA
Environmental conditions (in operation)		Temperature: 0 to 40°C Humidity: 90% RH or less (no condensation allowed)
Degree of protection		IP20
Cables	Robot control cable	Standard: 4 m or 6 m (selectable) High strength: 6 m or 12 m (selectable)
	I/O cable	8 m, 15 m (option)
	Power cable	5 m
Weight		Approx. 17 kg (excluding attached cables)

 WARNING

- DO NOT touch fins. Their hot surfaces may cause severe burns.
- DO NOT insert fingers or foreign objects into openings. Doing so may cause bodily injury.
- Before opening the controller cover and accessing the inside of the controller for maintenance, be sure to turn off the power switch, disconnect the power cable, and wait 3 minutes or more. This is for protecting you from electric shock.
- DO NOT connect or disconnect connectors to/from the controller while the power switch is on. Doing so may cause electric shock or controller failure.

 CAUTION IN INSTALLATION

- This controller is not designed to be dust-proof, splash-proof, or explosion-proof.
- Read operation manuals before installation.
- Do not place anything on the controller.