

Power Supply	Without transformer: Three-phase 200 VAC (+10% to - 15%), 50/60 Hz (± 2%) Three-phase 220 VAC (+10% to - 15%), 60 Hz (± 2%)		
	With transformer: Asia Three-phase 380 VAC (+10% to -15%), 50/60 Hz (± 2%)		
	North America Three-phase 480 VAC (+10% to - 15%), 50/60 Hz (± 2%)		
	Europe Three-phase 400 VAC (+10% to -15%), 50/60 Hz ($\pm 2\%$)		
Grounding	Grounding resistance: 100 Ω or less*		
Digital I/Os	Specialized signals: 28 inputs and 7 outputs		
	General signals: 40 inputs and 40 outputs (Specialized allocation: 24 inputs and 24 outputs, General allocation: 16 inputs and 16 outputs)		
	Max. I/O (optional): 4096 inputs and 4096 outputs		
Positioning System	Serial communications (absolute encoder)		
Programming Capacity	JOB: 200,000 steps, 10,000 instructions		
	CIO ladder: 20,000 steps max.		
Expansion Slots	PCI: 2 slots		
LAN (Connection to Host)	1 (10BASE-T/100BASE-TX)		
Interface	RS-232C: 1 ch		
Control Method	Software servo control		
Drive Units	SERVOPACK for AC servomotors (For robot + external axis (optional))		

*: When using the Intrinsically safe programming pendant, ground to a resistance of 10 Ω or less via the specified terminal.

Programming Pendant Specifications

Items	Standard	Intrinsically Safe	
Dimensions	169 (W)×50 (D)×314.5 (H) mm	235 (W)×78 (D)×203 (H) mm	
Approx. Mass	0.990 kg	1.30 kg (except the cable)	
Material	Reinforced plastics		
Operation Device	Compact flash card interface device, USB port (1 port)		
Display	5.7-inch color LCD, touch panel 640×480 pixels	5.7-inch monochrome LCD, backlit white LED, touch panel 320×240 pixels	
	(Alphanumeric characters, Chinese characters, Japanese letters, and others)	(Alphanumeric characters, Chinese characters, Japanese letters, and others)	
Explosion Protection Standard		TIIS (Japan), FM (North America), ATEX (Europe), KCs (Korea)	
IEC Protection Class	IP65	IP54	
Cable Length	Standard: 8 m,	Standard: 8 m (20 m cable is optional),	
	Max.: 36 m (with optional extension cable)	Max.: 50 m (with optional extension cable)	

DX200's Optimized Functions for Painting



Standardization of equipment

Customizing configuration items

The configuration item name, unit, and output form for painting conditions can be optionally set to suit various painting devices using the paint system configuration.

Paint system configuration screen





Calibration Output

When actual values output by the paining device do not match with the command values, these command values can be corrected in the calibration configuration settings.



DX200's Optimized Functions for Painting



I/O Paint condition output function

A command value for the input signal can control the paint condition output to the painting device without the need to execute the PAINTSET command.



Interface panel function

The interface panel function allows intuitive operation to simplify complicated operations.



Interface screen

I/O Speed control function

Improve painting quality

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The speed control operation of the external axis can be operated by inputting an external signal without the need to execute the speed control command by a JOB. The speed control function can be used to control the pump axis used mainly in painting.





Time chart function

When using the start signal input as a trigger, the signal output control is performed by varying the ON and OFF patterns specified in the time chart at every specified time. Start-up costs can be reduced as the color change sequence using the PLC is not required. The number of steps of the ladder program can be reduced.





Safety functions (optional)

Movements of the robot can be limited to a set area by monitoring the positions of the robot and tool. Safety is improved because positions are monitored with the functional safety module equipped with a double-CPU structure. With this function, the safety fence can be installed in a smaller area than the robot's motion range.

