

Simple & friendly

# C Controller



## KEY FEATURES

The C Controller is compact enough for convenient installation and offers a large, multi-functional color liquid crystal display (LCD) that combines the functions of a conventional teach pendant with several specialized displays on an 8-inch touch panel. Easy Block Step Programming and high-end AS Language Programming are both available.

### Special Features:

#### **Surprisingly Compact Size**

The slim and compact C Controller is 21.7" (550 mm) wide, 49.25" (1250 mm) high and 19.7" (500 mm) deep. All maintenance can be done from the front side, eliminating the need to have side access.

#### **Multi-Functional Panel**

The large color LCD panel brings together the controller's teach pendant, its specialized display functions and an 8-inch touch panel. Its easy-to-use features allow it to be used as a teach pendant during teaching, as an input/output operation panel for robot interface with peripheral devices, and as a status monitor during automatic operation.

#### **Enable Switch**

This safety device turns off the motor's power if the operator's hand is removed from the trigger switch on the multifunctional panel during teach mode.

#### **Excellent Performance in a Compact Unit**

The flexible high-end AS robot programming language is useful for high-level applications. This language allows a wide range of robot control commands, numerical calculations, conditional jump, step divergence, interrupt I/O and program creation on PC. The controller's multitasking capability allows parallel programs to run simultaneously while the robot is moving, and simple sequences do not require the use of a sequencer.

#### **Numerous Optional Functions**

The following options are also available with the controller:

- S-Logic (Mini PLC)
- Networking (ControlNet, Ethernet, etc.)
- Soft absorber
- External tool center point
- AD/DA
- Sensing functions
- Multiple-axes control (up to 12 axes)
- Spin control



## Examples of User Driven Menu Screens



Teach Pendant



Data Set Menu



User I/O

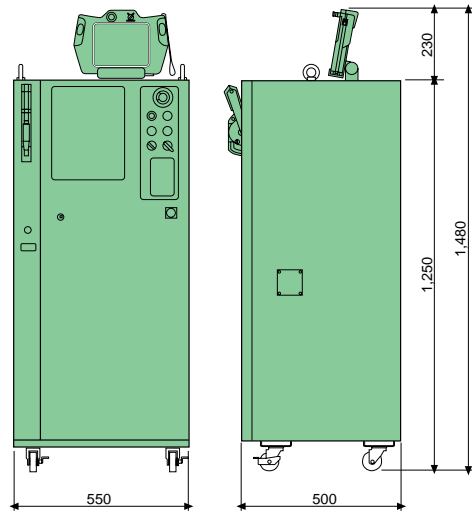


I/O Graph



 **Kawasaki**  
simply the highest performance robots on the planet

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## SPECIFICATIONS OF THE KAWASAKI C CONTROLLER

		STANDARD	OPTIONAL
Number of Controlled Axes	C30, C31, C32	6 Axes	Max. 12 Axes
	C33	4 Axes	5 Axes
Servo Control and Drive System	Full Digital Servo System		
Type of Control	Teach Mode	Joint, Base, Tool Mode	
	Repeat Mode	Joint, Linear Interpolation	Circular Interpolation
Teaching Method	Block Step programming or AS Language Programming		
Teach Pendant (Choose One)		Multi Function Panel 8 inch Color LCD with Touch Panel Emergency Stop Switch, Teach Lock Switch, Trigger Switch	Teach Pendant* (Small Type) LCD, Manual Operation Key Emergency Stop Switch, Teach Lock Switch, Trigger Switch
Memory Capacity	1 MB (approx. 4,000 steps)		4 MB (approx. 34,000 steps)
External Storage	FD or HD of User's Personal Computer		PC Card
General Purpose Signals	External Operation Signals	External Motor Power Off, External Hold	
	Input Signals	32 Channels (Include Dedicated Signals)	128 Channels (Include Dedicated Signals)
	Output Signals	32 Channels (Include Dedicated Signals)	128 Channels (Include Dedicated Signals)
Operation Panel	Basic Operation Switches (Motor Power On, Emergency Stop, Etc.)		
Cable Length	Power/Signal	7m	10m, 15m, 20m
	Teach Pendant	10m	15m
Construction	Self-Standing main Enclosure with heat Exchanger		
Weight	250 kg		
Ambient Temperature	32°~125°F (0°~52°C) for Controller		
Relative Humidity	35%~85% (non-condensing)		
Others			Vision LAN Internal Sequence Analog Input

\* Not available Block Step Programming

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