

RC7 Controller

F E A T U R E S

Compact

Smallest size in its class
(440 x 425 x 152.4 mm)

Light weight

Less than 20 kg

Wide variety of interfaces

Standard: 1 Ethernet, 2 USB, 1 RS232C,
1 Mini Parallel I/O
Optional: 2 RS232C, 1 DeviceNet,
1 Profibus, 2 Parallel I/O, 1 CC-Link

Large memory capacity

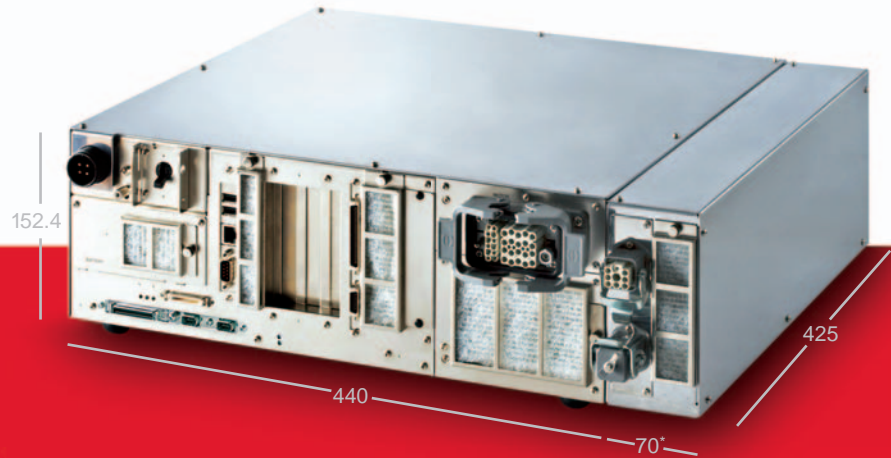
3.25 MB (10,000 steps and 30,000
points); expandable to 5.5 MB

Offline programming software

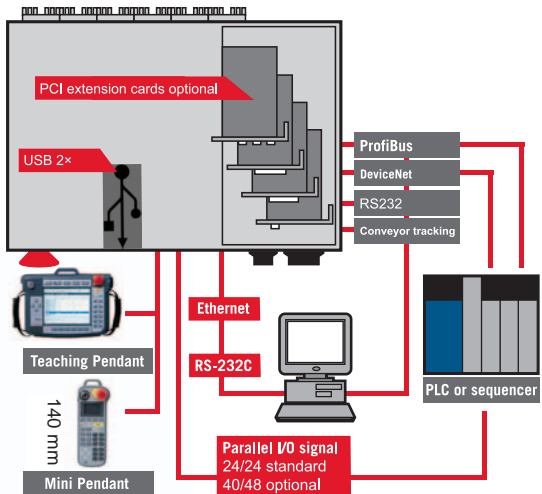
WINCAPS III 3-D simulation software
allows offline programming and remote
monitoring of robot operation

Extended-axis option

Up to two additional axes; allows
integrated control of robot and external
motors or slides



*With extended-axis option



MAIN SPECIFICATIONS :

Size:	440 x 425 x 152.4 mm standard; 510 x 425 x 152.4 mm with extended-axis option
Weight:	18 kg (4-axis robots); 19 kg (6-axis robots); add 4 kg for extended-axis option
Protection class:	IP20 (protection box IP53 available)
Control method/drive system:	PTP, CP 3D linear, 3D circular; all axes: full-digital AC servo
User memory capacity:	3.25 MB (10,000 steps, 30,000 points); expandable to 2.25 MB
Language:	DENSO Robot Language (conforming to SLIM)
No. of teach programs:	255
External signals (I/O):	Hand (gripper) I/O: 8/8 Mini I/O: 16/16 Extension I/O board (option): 40/48 (2-board capability)
External communication:	1 Ethernet (100 Base-T) 3 RS232C (option: 2) 2 USB (for backup storage on memory stick)
Field buses (option):	Profibus slave board: 256/256 DeviceNet slave: 256/256 DeviceNet master: 1024/1024 DeviceNet master & slave: 1280/1280 CC-Link: 128/128
Power source:	All models: 3-phase, 200 V -15%–230 V +10%, 50/60 Hz All models except VM: Single-phase, 230 V ±10%, 50/60 Hz VP only: Single-phase, 110 V ±10%, 50/60 Hz