



UNIVERSAL ROBOTS

Technical specifications

UR5

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6-axis robot arm with a working radius of 850 mm / 33.5 in

Weight	18.4 kg / 40.6 lbs
Payload	5 kg / 11 lbs
Reach:	850 mm / 33.5 in
Joint ranges:	+/- 360° on all joints
Speed:	Joint: Max 180°/sec. Tool: Approx. 1 m/sec. / Approx. 39.4 in/sec.
Repeatability:	+/- 0.1 mm / +/- 0.004 in (4 mil)
Footprint:	Ø149 mm / 5.9 in
Degrees of freedom:	6 rotating joints
Control box size (WxHxD):	475 mm x 423 mm x 268 mm / 18.7 x 16.7 x 10.6 in
I/O ports:	10 digital in, 10 digital out, 4 analogue in, 2 analogue out
I/O power supply:	24 V 1200 mA in control box and 12 V/24 V 600 mA in tool
Communication:	TCP/IP - Ethernet sockets Modbus TCP
Programming:	Polyscope graphical user interface on 12 inch touchscreen with mounting
Noise:	Comparatively noiseless
IP classification:	IP54
Power consumption:	Approx. 200 watts using a typical program
Collaboration operation:	Tested in accordance with sections 5.10.1 and 5.10.5 of EN ISO 10218-1:2006
Materials:	Aluminium, ABS plastic
Temperature:	The robot can work in a temperature range of 0-50°C
Power supply:	200-240 VAC, 50-60 Hz
6 metre / 236 in cable between robot and control box	
4,5 metre / 177 in cable between touchscreen and control box	



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