

UR3 Technical specifications

Item no. 110103

6-axis robot arm with a working radius of 500 mm / 19.7 in

Weight:	11 kg / 24.3 lbs
Payload:	3 kg / 6.6 lbs
Reach:	500 mm / 19.7 in
Joint ranges:	+/- 360° Infinite rotation on end joint
Speed:	All wrist joints: 360 degrees/sec. Other joints: 180 degrees/sec. Tool: Typical 1 m/s. / 39.4 in/s.
Repeatability:	+/- 0.1 mm / +/- 0.0039 in (4 mils)
Footprint:	Ø128 mm / 5.0 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:	Controlbox Tool conn. Digital in 16 2 Digital out 16 2 Analog in 2 2 Analog out 2 -
I/O power supply:	24 V 2A in control box and 12 V/24 V 600 mA in tool
Communication:	TCP/IP 100 Mbit: IEEE 802.3u, 100BASE-TX Ethernet socket & Modbus TCP
Programming:	Polyscope graphical user interface on 12 inch touchscreen with mounting
Noise:	Comparatively noiseless
IP classification:	IP64
Power consumption:	Approx. 100 watts using a typical program
Collaboration operation:	15 advanced adjustable safety functions
Materials:	Aluminum, PP plastic
Temperature:	The robot can work in a temperature range of 0-50°C*
Power supply:	100-240 VAC, 50-60 Hz
Cabling:	Cable between robot and control box (6 m / 236 in) Cable between touch screen and control box (4.5 m / 177 in)
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^{*)} At high continuous joint speed, ambient temperature is reduced.

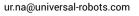
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