

UR10

broadcast



UNIVERSAL ROBOTS

by



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Technical details

UR10 the Arm

Performance

Repeatability	±0.1 mm / ±0.0039 in (4 mils)
Temperature range	0-50 °C
Power consumption	Min 90 W , Typical 250 W, Max 500 W
Collaboration operation	15 advanced adjustable safety functions. TÜV NORD Approved Safety Function Tested in accordance with: EN ISO 13849:2008 PL d

Specification

Payload	Typically 6 Kg / 13,2 lbs - Maximum 10 Kg / 22 lbs
Reach	1300 mm / 51,2 in
Degrees of freedom	6 rotating joints
Camera Mount	Cartoni Euro plate Small A859

Movement

Axis movement robot arm	Working range	Maximum speed
Base	± 360°	± 120°/Sec.
Shoulder	± 360°	± 120°/Sec.
Elbow	± 360°	± 180°/Sec.
Wrist 1	± 360°	± 180°/Sec.
Wrist 2	± 360°	± 180°/Sec.
Wrist 3	± 360°	± 180°/Sec.
Typical tool	1 m/Sec / 39,4 in/Sec	

Features

IP classification	IP54
ISO Class Cleanroom	5
Noise	Comparatively noiseless

Physical

Footprint	Ø 190 mm
Materials	Aluminium, PP plastics
Tool connector type	M8
Cable length robot arm	6 m / 236 in
Weight with cable	28,9 Kg / 63,7 lbs

Control Box

Features	ORIGINAL*	Modified by AREPLUS**
IP classification	IP20	IP20
ISO Class Cleanroom	5	Nc
Noise	<65 dB(A)	<20,5 dB(A)
I/O power supply	24 V 2A	4x IEC C13 100 - 240 VAC 2x 12 VDC 4,2A 4 ports Ethernet switch 10/100/1000 1 in / 4 outs Analog video splitter
Communication	TCP/IP 100 Mbit, Modbus TCP, Pro net, EthernetIP	TCP/IP 100 Mbit, Modbus TCP, Pro net, EthernetIP
Power source	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Physical		
Control box size (WxHxD)	475 x 423 x 268 mm 18,7 x 16,7 x 10,6 in	PC : 274 x 395 x 146 mm 10,8 x 15,5 x 5,7 in Power : 274 x 395 x 146 mm 10,8 x 15,5 x 5,7 in
Weight	17 Kg / 37,5 lbs	PC : 5,3 Kg / 11,7 lbs Power : 11 Kg / 24,25 lbs
Materials	Steel	Aluminium

* Controller box original manufactured by Universal Robot

** Controller box fanless manufactured by AREPLUS