UR3e Technical Specifications

With a 3 kg payload capacity and 500 mm reach, the compact form factor of the UR3e makes it a fit for tight workspaces.

Today, more than 50,000 UR collaborative industrial robots have been delivered to customers across industries and around the world. UR3e is one of four e-Series cobots, each with a different payload and reach combination. e-Series brings incredible flexibility and unparalleled ease of use to your application.



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UR3e

Specification

•	
Payload	3 kg (6.6 lbs)
Reach	500 mm (19.7 in)
Degrees of freedom	6 rotating joints
Programming	12 inch touchscreen with polyscope graphical user interface

Performance

300 W	
100 W	
17 configurable safe	ty functions
EN ISO 13849-1, PLd Category 3, and EN ISO 10218-1	
Force, x-y-z 30.0 N 2.0 N 3.5 N	Torque, x-y-z 10.0 Nm 0.1 Nm 0.1 Nm
± 0.03 mm	
Working range ± 360° ± 360° ± 360° ± 360° ± 360° ± 360° Infinite	Maximum speed ± 180°/s ± 180°/s ± 180°/s ± 360°/s ± 360°/s ± 360°/s
1 m/s (39.4 in/s)	
IP54	
5	
Less than 60 dB(A)	
Any orientation	
2 2 2	
12/24 V	
600 mA	
Ø 128 mm	
Aluminium, Plastic, Steel	
Aluminium, Plastic, S	Steel
Aluminium, Plastic, 9 M8 M8 8-pin	Steel
	cluded.
M8 M8 8-pin 6 m (236 in) cable in 12 m (472 in) and hig	cluded.
M8 M8 8-pin 6 m (236 in) cable in 12 m (472 in) and hig available.	cluded.
	17 configurable safe: EN ISO 13849-1, PLd C and EN ISO 10218-1 Force, x-y-z 30.0 N 2.0 N 2.0 N 3.5 N ± 0.03 mm Working range ± 360° ± 360° ± 360° ± 360° ± 360° ± 360° ± 360° ± 360° t

Control Box

Features	
IP classification	IP44
ISO 14644-1 Class Cleanroom	6
Operating temperature range	0-50°C
Humidity	90%RH (non-co
<pre>I/O ports Digital in Digital out Analog in Analog out Quadrature Digital Inputs</pre>	16 16 2 2 4
I/O Power Supply	24V 2A
Communication	500 Hz Contro Modbus TCP PROFINET Ethernet/IP USB 2.0, USB 3
Power source	100-240VAC, 4
Physical	
Control box size (W x H x D)	460 mm x 449 m (18.2 in x 17
Weight	12 kg (26.5 lk

MaterialsPowder Coated SteelThe control box is also available in an OEM version.

Teach Pendant

1

Features	
IP classification	IP54
Humidity	90%RH (non-co
Display resolution	1280 x 800 pi
Physical	
Materials	Plastic, PP
Weight	1.6 kg (3.5 l
Cable length	4.5 m (177.17
The teach pendent is also a	vailable in a 20

The teach pendant is also available in a 3PE option.



ondensing)

ol frequency

3.0 47-440Hz

460 mm x 449 mm x 254 mm (18.2 in x 17.6 in x 10 in) 12 kg (26.5 lbs) Powder Coated Steel ble in an OEM version.

> ondensing) ixels

lbs) including 1m of TP cable 7 in) *PE option.*

01.07.2021