



UR8 Long

General specification

Payload	8 kg (17.6 lbs) 10 kg (22 lbs) with boundary condition according to the manual.
Reach	1750 mm (68.9 in)
Degrees of freedom	6 rotating joints
Programming	12 inch touchscreen with PolyScope graphical user interface
Power consumption (average)	
Maximum power	615 W
Moderate operating settings	350 W
Operating temperature range	Ambient temperature: 0-50°C (32-122°F)
Safety functions	17 configurable safety functions
In compliance with	EN ISO 13849-1 (PLd Category 3), EN ISO 10218-1 and UL 1740
Joint architecture	2-1-3

UR8 Long Robot Arm

Performance tool flange/torque sensor

Force sensing,

Range

Wrist 3

Precision

Accuracy	± 8.3 N	± 0.5 Nm
Movement		
Max TCP speed	6 m/s	
Pose repeatability per ISO 9283		81 mm per ISO 9283 0031 in per ISO 9283
Axis movement	Working range	Maximum speed
Base	± 360°	± 180°/s
Shoulder	. 0400	
	± 360°	± 180°/s
Elbow	± 360°	± 180°/s ± 240°/s
Elbow Wrist 1		

± 360°

Force, x-y-z

± 150.0 N

± 7.5 N

Torque, x-y-z

± 10.0 Nm

± 0.2 Nm

± 300°/s

UR8 Long

Technical specification

Long Reach. Lean Footprint. No compromise.

The UR8 Long offers a 1750 mm reach and an 8 kg payload in a compact, lightweight design. Ideal for welding, pick & place and quality inspection, it excels in applications requiring precise linear motion and high-speed acceleration. With advanced joint architecture and accurate torque control, it's the perfect cobot for tasks demanding both reach and precision.

Today, more than 100,000 UR collaborative industrial robots have been delivered to customers across industries and around the world. The newest series of UR cobots brings unparalleled performance, adaptability and user experience.

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Features

IP Classification	IP65
Noise	< 67 dB(A)
Status identification	Light ring at robot base
Arm mounting	Any orientation
I/O Ports at tool flange	
Digital In	2
Digital Out	2
Analog In	2
Power supply voltage	12/24 V
Power supply	2 A (Dual pin), 1 A (Single pin)

Physical

Footprint	Ø204 mm
Materials	Aluminum, plastic, steel
Tool flange	ISO 9409-1-50-4-M6
Connector type	M8 8-pin female
Cable length (robot arm)	6 m (236 in)
Weight without cable	44.7 kg (98.5 lb)
Humidity	≤ 90% RH (non-condensing)

Contact

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3-Postion Enabling Teach Pendant

Features

IP classification	IP54
Humidity	≤ 90% RH (non-condensing)
Display resolution	1280 x 800 pixels

Physical

Materials	Plastic
Teach pendant size (W x H x D)	300 mm x 231 mm x 50 mm (11.8 in x 9.1 in x 1.97 in)
Weight	1.8 kg (3.961 lbs) including 1 m of teach pendant cable
Cable length	4.5 m (177.17 in)

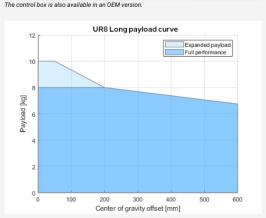
Control Box

Features

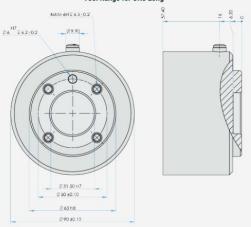
IP44
≤ 90% RH (non-condensing)
16
16
2
2
4
24V, 2A
Modbus TCP (Client/Server) Ethernet/IP Adapter PROFINET device, PROFIsafe ROS/ROS2
Ethernet 1 Gb/s USB 2.0 USB 3.0 Mini DisplayPort Injection Moulding Machine Interface (SPI AN-146 & Euromap-67)*
100-240 VAC, 50-60 Hz

Physical

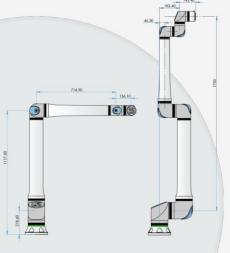
Control Box Size (W x H x D)	460 mm x 449 mm x 254 mm (18.2 in x 17.6 in x 10 in)
Weight	12 kg (26.5 lbs)
Materials	Powder coated steel



Interface for UR8 Long base flange Mounting pattern for UR8 Long Base 6 x M10 - 6H ⊕ Ø 0.2 A D E Ø8 k6 for Pin Ø8h6 [7] 0.05 Tool flange for UR8 Long



Dimensions and reach UR8 Long



UNLESS OTHERWISE SPECIFIED: