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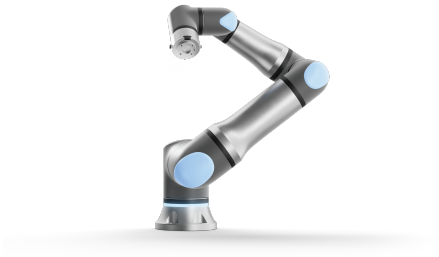
UR18g-950

Generation 7 · g-Series · 01

Technical Data Sheet

Updated September 2026

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Robot Arm Specification

Maximum Payload	18 kg / 39.7 lb
Reach	950 mm / 37.4 in
Footprint	Ø204 mm / Ø8.03 in
Weight including cable	42 kg / 92.6 lb
Degrees of freedom	6 rotating joints
Joint architecture	2-1-3
Power Consumption	
Maximum power consumption	570 W
Average power consumption	350 W
Noise level	< 55 dB(A)
Control loop frequency	500 Hz
Safety functions	23 configurable safety functions
In compliance with	**European requirements:** TÜV Rheinland EN ISO 13849-1 TÜV Rheinland EN ISO 10218-1 RoHS See Declaration of Incorporation **North American requirements:** TÜV Rheinland cTÜVus UL 1740 **Korean requirements:** KC Mark (EMC) KCs Mark (Safety)
Robot materials	Aluminium, plastic, steel

Physical

Tool flange	ISO 9409-1-50-4-M6

Tool flange specification

Force-torque sensing at tool flange	Force, x-y-z	Torque, x-y-z
Range	± 150.0 N	± 10.0 Nm
Precision	± 7.5 N	± 0.2 Nm
Accuracy	± 8.3 N	± 0.5 Nm

Electrical interfaces at tool flange

Connector M8 I/O	
Connector type	M8-8 A-coded 8 pin female (IEC 61076-2-104)
Digital in	2 or 1 x safety input
Digital out	2
Analog in	2 or 1 x RS-485
Power supply voltage	12 or 24 Vdc
Power supply	2 A (dual pin), 1 A (single pin)
Connector M8 Power	
Connector type	M8-4 A-coded 4 pin female (IEC 61076-2-104)
Power supply voltage	24 or 48 Vdc
Power supply	5 A peak max, 2 sec, 3 A continuous
Connector M12 Ethernet	
Connector type	M12 X-coded female (IEC 61076-2-109)
Protocol	1 gigabit ethernet
SP7 Smart Panel Interface	
Digital in	3 and 1 x safety input
Digital out	4
Power supply voltage	5 Vdc

Motion

Maximum TCP speed	4 m/s
Pose repeatability per ISO 9283	± 0.05 mm

Axis movement	Working range	Maximum speed
Base	± 360°	± 180°/s
Shoulder	± 360°	± 180°/s
Elbow	± 360°	± 240°/s
Wrist 1	± 360°	± 300°/s
Wrist 2	± 360°	± 300°/s
Wrist 3	± 360°	± 300°/s

Operating environment

Operating temperature range	Ambient temperature 0-50 °C / 32-122 °F Reduced performance from 35 °C and up.
Humidity	≤ 90% RH (non-condensing)

Features

Integrated force-torque sensor at tool flange	yes
Status identification	Light ring at robot base
Arm mounting	Any orientation
SP7 Smart Panel	optional

Compatibility

Software	PolyScope X
Controller	CB7 Core CB7 Core Compact CB7 Core Compact 0.55m
Teach Pendant	TP7
Cables	Gen 7 Cables

Contact

Bizit Systems (M) Sdn Bhd

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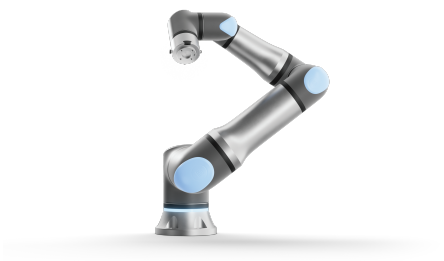
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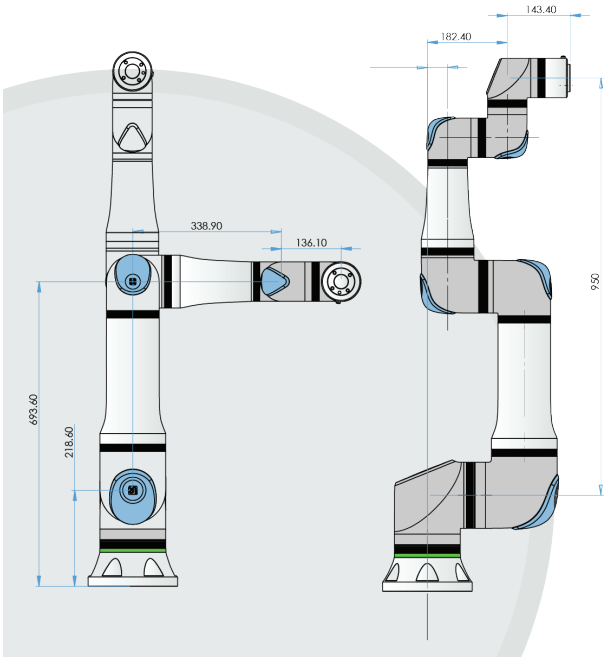


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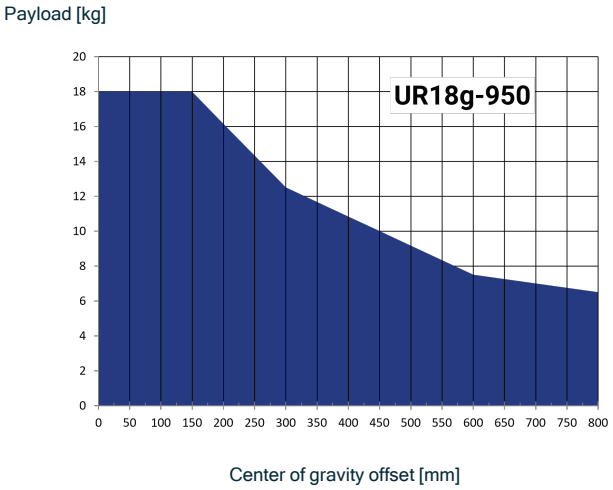
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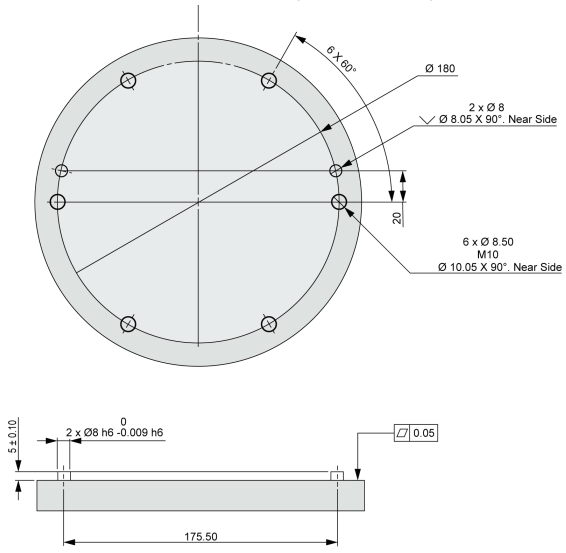
Dimensions and reach of UR18g-950



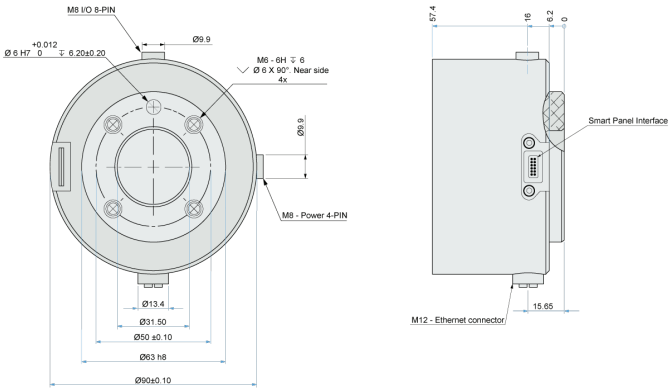
Maximum Payload



Interface for UR18g-950 base flange



Tool flange for UR18g-950



UNLESS OTHERWISE SPECIFIED: Dimensions are in millimeters. Tolerance ± 0.1 mm ± 0.5°

September 2026

Contact

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