



Technical specifications

UR5

We accept no liability for any printing errors or technical changes.

6-axis robot arm with a working radius of 850 mm / 33.5 in

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| Weight | 18.4 kg / 40.6 lbs |
| Payload | 5 kg / 11 lbs |
| Reach: | 850 mm / 33.5 in |
| Joint ranges: | +/- 360° on all joints |
| Speed: | Joint: Max 180°/sec. Tool: Approx. 1 m/sec. / Approx. 39.4 in/sec. |
| Repeatability: | +/- 0.1 mm / +/- 0.004 in (4 mil) |
| Footprint: | Ø149 mm / 5.9 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: | 10 digital in, 10 digital out, 4 analogue in, 2 analogue out |
| I/O power supply: | 24 V 1200 mA in control box and 12 V/24 V 600 mA in tool |
| Communication: | TCP/IP - Ethernet sockets Modbus TCP |
| Programming: | Polyscope graphical user interface on 12 inch touchscreen with mounting |
| Noise: | Comparatively noiseless |
| IP classification: | IP54 |
| Power consumption: | Approx. 200 watts using a typical program |
| Collaboration operation: | Tested in accordance with sections 5.10.1 and 5.10.5 of EN ISO 10218-1:2006 |
| Materials: | Aluminium, ABS plastic |
| Temperature: | The robot can work in a temperature range of 0-50°C |
| Power supply: | 200-240 VAC, 50-60 Hz |
| 6 metre / 236 in cable between robot and control box | |
| 4,5 metre / 177 in cable between touchscreen and control box | |


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