

ER-FLEX

SPECIFICATION



ER-ABILITY

The ER-FLEX comes with the ER-ABILITY software, providing an coherent user interface for programming and operating the robot. Features of the software includes:

- Easy to use programming interface
- Vision system for precise localization to markers
- Reading of QR and bar-codes
- Communication with external IT systems through REST or OPC-UA

Arm Options

	UR7e	UR12e	UR16e	UR15
Arm Payload	7,5 kg	12,5 kg	16 kg	17,5 kg
Arm Reach (excluding tool)	850 mm	1300 mm	900 mm	1300 mm

Physical

Foot print	80 × 58 cm
Load space	51,6 × 56 cm
Weight	182 - 195 kg
Transport Payload	Up to 186 kg
Max Driving Speed	2 m/s

Power

Battery	34.2 Ah / 1.63 kWh
Operation*	8 hours (100% - 10%)
Utilization*	20 hours per day

*Operation and utilization are estimates

Environment

Humidity	10 - 95% non-condensing
Ambient temperature	5 - 40°C Max ambient temp for 1 h
IP rating	IP21 Arm and Tower - IP54

Other

WiFi	Dual-Band Wireless b/a/g/n/ac
Vision precision	1 mm Relative to markers

Safety

Laser Scanners	Detects objects from afar, 360°
3D Cameras	Detect objects within a field of view up to 1.8 m in height and 1.2 m in distance
Proximity sensors	Scans the floor surrounding the robot
Protective Stop	Arm enters protective stop in case of unexpected forces