

ER-FLEX

SPECIFICATION



Arm Options

	UR5e	UR10e	UR16e
Arm Payload	5 kg	12,5 kg	16 kg
Arm Reach (excluding tool)	850 mm	1300 mm	900 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

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



ENABLED ROBOTICS