ER-FLEX
SPECIFICATION

Arm Options

	UR7e	UR12e	UR16e	UR15	UR8 Long
Arm Payload	7,5 kg	12,5 kg	16 kg	17,5 kg	10 kg
Arm Reach (excluding tool)	850 mm	1300 mm	900 mm	1300 mm	1750 mm
Product No. (Standard/ESD)	102250/ 102350	102450/ 102550	102650/ 102750	102850/ 102950	103050/ 103150

Physical

Foot print	80 × 58 cm
Load space	51,6 × 56 cm
Weight	209 - 229 kg
Transport Payload	Up to 165 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

AMR INTEGRATION