

ER-FLEX-MAX

SPECIFICATION



ER-ABILITY

The ER-FLEX-MAX comes with the ER-ABILITY software, providing a 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

| | UR20 | UR30 |
|------------------------------------|---------|---------|
| Arm Payload | 20 kg | 30 kg |
| Arm Reach Excluding tool | 1750 mm | 1300 mm |

Physical

| | |
|--------------------------|---------------|
| Foot print | 1350 × 910 mm |
| Load space | 1030 × 864 mm |
| Weight | 460 kg |
| Transport Payload | 380 kg |
| Max Driving Speed | 2 m/s |

Power

| | |
|---------------------|-------------------------|
| Battery | 34.2 Ah / 1.63 kWh |
| Operation* | 4 hours (100% - 10%) |
| Utilization* | 18½ 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 | IP52 Arm and Tower - IP54 |

Other

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

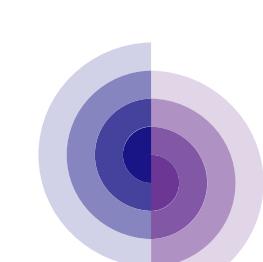
Safety

Laser Scanners
Detects objects from afar, 360°

3D Cameras
Detects objects taller than 40 cm

Proximity sensors
Scans the floor surrounding the robot

Protective Stop
Arm enters protective stop in case of unexpected forces



ENABLED ROBOTICS