



# Datasheet BMP200

Autonomous Mobile Robot up to 200kg payload

## BMP 200

Payload	max. 200kg
Wireless Operation	ROS 2, Isaac, Sunrise.OS (KUKA)
Wireless Hand Guiding	For manual operation e.g. mapping via mobile App or Web-App, (Option: wireless gaming controller)
Easy Maintenance	Easy access to components, low-wear direct drive
Li-Ion Batteries	21 Ah / 48V / 45 min. charging time / up to 8 hours operating time
Best motion capabilities	Differential drive, turn on spot, 2 m/s maximum velocity, can handle grades of up to 5%
High Safety	2 x diagonally arranged laser safety sensors, safe motion in both driving directions, 2 x emergency stops, sound alarm & visual signaling
3D obstacle avoidance	Obstacle detection from 30 mm to 400 mm above ground

### Options

Lifting Devices	60 mm lifting stroke, stepless adjustable
KUKA Navigation Solution	KUKA SLAM Navigation and Fleet Management
Inductive Charging	Wear-free inductive charging
High Precision Navigation	Positioning system based on high-resolution camera data, increases positioning accuracy in dynamic changing environments

Features	Dimension	Unit
Dimensions L x W x H (approx.)	600 x 580 x 380	mm
Weight	130	Kg
Payload	200	Kg
Max. velocity	2	m/s
Max. slope	5	%
Battery lithium-ion	48	V
	21	Ah
Operating time	Approx. 8	h
Positioning accuracy	+/- 30	mm
Positioning accuracy HPN	+/- 10	mm
Safety category / performance Level	3 / d	-
Protection class rating	IP54	-
Temperature	5 – 40	°C



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