

# TORY<sup>®</sup> RFID

*autonomous inventory*

TECHNICAL DATA



### GENERAL SPECIFICATIONS

weight [kg]	50
dimensions (LxWxH) [mm]	500 x 500 x 1594 bis 2050
max. speed [m/s]	0.8
max. operating time per battery charge [h]	12
temperature during operation [°C]	+5 to +40
temperature during transport [°C]	-25 to +55
humidity	20 % - 60 % rH
minimum passage width [cm]	80
max. gradient	5%
ground clearance [mm]	15

### BATTERY

type	LFMP
nominal capacity [Ah]	40
operating voltage [V]	26
lifetime	≥ 1500 discharge cycles (80% DOD)
rate of self-discharge [%]	≤ 3
charging time (0% zu 80%) [h]	5

### POWER SUPPLY

type	MetraLabs autonomous charging station (ACS)
input power [W]	max. 1200

<b>DRIVE</b>	
<b>type</b>	Brushless DC electric motors (BLDC)
<b>system</b>	ISO 13849-1, performance level d
<b>torque (Nm)</b>	typ.: 19,4 max.: 81
<b>software</b>	CogniDrive® [Metralabs]
<b>RFID TECHNOLOGY</b>	
<b>RFID standard</b>	ISO/IEC 18000-6C
<b>efficiency</b>	> 99% (up to 1000 tags/s)
<b>system</b>	16 antennas
<b>SAFETY</b>	
<b>safety laser scanner (horizontal)</b>	Yes
<b>3D-cameras</b>	Yes
<b>acoustic warning system</b>	optional
<b>bumper</b>	Yes
<b>CE</b>	Yes