

CARY® *flex*

autonomous mobile robot

TECHNICAL DATA



GENERAL SPECIFICATIONS

weight [kg]	71,5
dimensions (LxWxH) [mm]	783x534x1631
max. speed [m/s]	0 1.4
max. operating time per charge [h]	16
temperature during operation [°C]	+10 bis +40
temperature during transport [°C]	-25 bis +55
humidity	20 % - 60 % rH
minimum passage width [cm]	80
max. gradient	5%
ground clearance [mm]	17

BATTERY

type	LFMP
nominal capacity [Ah]	60
operating voltage [V]	26
lifetime	≥ 1500 discharge cycles (80% DOD)
rate of self-discharge [%]	≤ 3
charging time (0% zu 80%) [h]	3

POWER SUPPLY

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

DRIVE	
type	Brushless DC electric motors (BLDC)
system	ISO 13849-1, Performance Level d
software	CogniDrive® [Metralabs]
TRANSPORT SPACE	
dimensions (LxW) [mm]	400x600
max. payload [kg]	100
SAFETY	
safety laser scanner (vertical)	optional
safety laser scanner (horizontal)	Yes
warning light	optional
blue spot	optional
acoustic warning system	Yes
bumper	Yes
CE	Yes