

Project Performance Values

26/01/2021

ROBOT	Data	Explanation	Data Source
Weight - Fully Loaded (gr)	2600 gr		Measurement
Weight - Basic Mode (gr)	2200 gr		Measurement
Batary Life - Continuous Work (minute)	26 minutes		Calculation
Maximum Working Temperature(°C)	+55°C	Servo Motors	Technical Data Sheet
Minimum Working Temperature(°C)	0 °C	Servo Motors	Technical Data Sheet
Maximum speed (meter/hour)	720 m/s		Measurement
Maximum Load Capacity (gr)	6000 gr		Measurement
Height - Standing Position (cm)	20 cm		Measurement
Height - Stretched Position(cm)	22 cm		Measurement
Height - Down Position(cm)	12 cm		Measurement
Lenght (cm)	51 cm		Measurement
Width (cm)	22.5 cm		Measurement
Step Height (cm)	5 cm		Measurement
Step Lenght(cm)	20 cm		Measurement
Wireless Control Distance (m)	1000 m		Technical Data Sheet
Camera View Angle	120°		Technical Data Sheet
Camera System	NTSC		Technical Data Sheet
Camera View Transfer Distance - Maximum (m)	1500 m		Technical Data Sheet
GPS Location Sensitivity (m)	2.5 m		Technical Data Sheet
Pressure Sensor Sensitivity - Minimum (gr)	20 gr		Technical Data Sheet
Pressure Sensor Sensitivity - Maximum (gr)	10000 gr		Technical Data Sheet
Gyroscope X, Y, Z Axes Maximum Angular Measurement Range (°/s)	±2000 °/s		Technical Data Sheet
LIDAR MODULE			
Height (cm)	7 cm		Measurement
Lenght (cm)	4.8 cm		Measurement
Width (cm)	4.8 cm		Measurement
Weight (gr)	62 gr		Measurement
Infrared Sensor Minimum Distance Measurement (cm)	3 cm		Technical Data Sheet
Infrared Sensor Maximum Distance Measurement (cm)	200 cm		Technical Data Sheet
Rotation Speed (rpm)	60 Rpm		Technical Data Sheet
DANGEROUS GAS DETECTION MODULE			
Height (cm)	4.8 cm		Measurement
Lenght (cm)	4.8 cm		Measurement
Width (cm)	4.8 cm		Measurement
Weight (gr)	48 gr		Measurement
Carbon Monoxide (CO) Gas Sensor Minimum Measurement Value (ppm)	20 ppm		Technical Data Sheet
Carbon Monoxide (CO) Gas Sensor Maximum Measurement Value (ppm)	2000 ppm		Technical Data Sheet
Metan (CH4) Gas Sensor Minimum Measurement Value (ppm)	50 ppm		Technical Data Sheet
Metan (CH4) Gas Sensor Maximum Measurement Value (ppm)	4000 ppm		Technical Data Sheet
BATARY BACKUP MODULE			
Height (cm)	8 cm		Measurement
Lenght (cm)	4.8 cm		Measurement
Width (cm)	4.8 cm		Measurement
Weight (gr)	170 gr		Measurement
Batary Life - Continuous Work (minute)	17 minutes		Calculation
DRONE STATION MODULE			
Height (cm)	4.8 cm		Measurement
Lenght (cm)	15.6 cm		Measurement
Width (cm)	4.8 cm		Measurement
Weight (gr)	120 gr		Measurement
REMOTE CONTROLER			
Height (cm)	7 cm		Measurement
Lenght (cm)	20 cm		Measurement
Width (cm)	16 cm		Measurement
Weight (gr)	480 gr		Measurement
Batary Life - Continuous Work (hour)	8 hours		Measurement
Wireless Control Distance (m)	1000 m		Technical Data Sheet
Maximum Working Temperature(°C)	+58 °C	Filament (+60°C Batary)	Technical Data Sheet
Minimum Working Temperature(°C)	-10 °C	Joystick	Technical Data Sheet
Screen System	NTSC/PAL		Technical Data Sheet
Screen Resolution	480 x 272		Technical Data Sheet
Screen Batary Life - Continuous Work (minute)	120 minutes		Technical Data Sheet