

Hardware, Cost, Mass

Final Parts	Ordered From	Cost	Part Number
Pressure Regulator	Palmer's Pursuit Shop	\$91.00	PPSP03316
Threaded 20g CO2 Cartridge	Amazon (Genuine Innovations)	\$23.00	G2132
Battery	Amazon (Energizer)	\$10.00	Reorder # L522BP2
Gyroscope	SparkFun	\$15.00	LSM9DS1
Solenoid Valves	Sizto Tech Corp.	\$45.00	2P025
Voltage Regulator	SparkFun	\$2.00	2P025
Lithium Polymer Battery	HobbyKing.com	\$6.00	TQ4

Hardware	Quantity	Source	Mass	Price
Arduino Uno	2	COSGC	50g	Provided
Balloon shield kit	2	COSGC	22g	Provided
Micro SD card	2	COSGC	2g	Provided
Temperature sensor	2	COSGC	4g	Provided
Three axis accelerometer	1	COSGC	1g	Provided
Heater kit	1	COSGC	66g	Provided
Half sheet black foam core	1	COSGC	120g	Provided
Insulation foam	1	COSGC	14.5g	Provided
Humidity sensor	1	COSGC	1g	Provided
GoPro Hero4 Session kit	1	COSGC	73g	Provided
Pressure sensor	1	COSGC	1g	Provided
Pressure Regulator (PPSP03316)	1	Palmer's Pursuit Shop	71g	\$91.00
OpenLog Data Logger	2	COSGC	15g	Provided
Dry ice	1 5lb bag	King Soopers	N/A	\$7.00**

Threaded 20g CO2 Cartridge (Part #G2132)	6	Amazon (Genuine Innovations)	70g	\$23.00
9V battery	3	COSGC	170g	Provided
Test battery (Reorder # L522BP2)	3	Amazon (Energizer)	102g*	\$10.00**
Gyroscope (LSM9DS1)	1	SparkFun	1.5g	\$15.00
Solenoid valves (2P025)	2	Sizto Tech Corp.	210g	\$45.00
Misc.	N/A	N/A	50g	\$50.00**
Voltage regulator (2P025)	1	SparkFun	1.5g	\$2.00
Lithium Polymer battery (TQ4)	1	HobbyKing.com	37g	\$6.00**
TOTALS			982g	\$176

*= not included in mass

**= not included in cost/covered by out of pocket

Company Contact Info

Palmer's Pursuit Shop- (916) 923-9676, <https://palmerpursuit.com/>

King Soopers- (303) 443-9622, <https://www.kingsoopers.com/>

Sizto Tech Corp.- (650) 856-8833, www.StcValve.com

SparkFun- (303)-284-0979, customerservice@sparkfun.com

HobbyKing.com- https://hobbyking.com/en_us/contact-us

Genuine Innovations- (888)-457-5463, <https://www.genuineinnovations.com/us/contact.php>

Energizer- <https://energizer.custhelp.com/>

Amazon- +1 (888)-280-4331, <https://www.amazon.com/>