

Item #	Item Name	Amount	Price (Each)	Total
1	LabQuest Mini	4	149	596
2	Voltage Probe	12	12	144
3	Rain-X® Interior Glass Anti-Fog	1	5.49	5.49
4	Ultrasonic Mist Maker Fogger with US adapter	1	9.75	9.75
5	kuman FY2202SP 2MHz Dual Channel DDS Function Signal Generator	1	53.99	53.99
6	Laser Diode - 5mW 650nm Red	12	5.95	71.4
7	BPW34 Photodiode	12	1.5	18
8	Deep Blue Rimless Cube Tank SD-X Free Store Pick Up 12x12x12-91719	1	36.03	36.03
9	Faraday cage	1	27.99	27.99
10	Electromagnetic Coil	1	37.99	37.99
11	banana plugs	1	6.47	6.47
12	Weather Baloons + helium +documentation	1	200	200
13	3 Axial Magnetic field Sensor	1	30	30
14	Voltage Regulator	1	30	30
15	wire	1	20	20
16	Arc GIS Online	1	108	108
17	Lab for experimentation	1	0	0
Total				1395.11

Purpose
Interface for voltage sensors
Checking voltage of photodiodes
Avoid fogging in tank
Creating water vapor
creating a fluctuating magnetic field
water vapor measurements
Measuring Laser intensity
Containing water vapor
shielding from surrounding electromagnetics
Generating fluctuating magnetic field
to connect to dds function generator
checking variability of geomagnetism with altitude
checking variability of geomagnetism with altitude
to supply current to the lasers
to connect lasers to the power source
to geospatial data plotting and temporal mapping
Provided by the Geoscience Department