

Total Seismometer Costs

Structure Cost Chart

Part Description	Quantity	Units	Unit Cost	Total Cost
1" PVC pipe	10	ft	\$0.24	\$2.40
1" PVC tee	1		\$0.48	\$0.48
1" PVC 90 deg. Elbows	4		\$0.39	\$1.56
1" PVC female cap	1		\$0.29	\$0.29
PVC glue	1		\$2.99	\$2.99
Eye-hole fasteners	2		\$0.86	\$1.72
Screws	4		\$0.10	\$0.40
Acrylic	108	in ²	\$0.01	\$1.08
Total Structure Cost				\$10.92

Pendulum Cost Chart

Part Description	Quantity	Units	Unit Cost	Total Cost
Threaded Steel Rod	1		\$1.98	\$1.98
Spring	2		\$0.99	\$1.98
Flat-head bolt	1		\$0.35	\$0.35
Nuts	4		\$0.12	\$0.48
Compact Disc	1		\$0.25	\$0.25
Total Pendulum Cost				\$5.04

Dampener Cost Chart

Part Description	Quantity	Units	Unit Cost	Total Cost
Plastic Cup	1		\$0.10	\$0.10
Vegetable Oil	1		\$1.00	\$1.00
Compact Disc	1		\$0.25	\$0.25
Eyehole Screw	1		\$0.39	\$0.39
Washers	6		\$0.12	\$0.72
Total Dampener Cost				\$2.46

Sensor Cost Chart

Part Description	Quantity	Units	Unit Cost	Total Cost
Cylindrical Magnet	1		\$2.45	\$2.45
Wire Coil	1		\$1.46	\$1.46
Total Sensor Cost				\$3.91

Electronics Cost Chart

Part Description	Quantity	Units	Unit Cost	Total Cost
Operational Amplifier	1		\$21.45	\$21.45
Band Pass Filter				
Faraday Amplifier				
12 Bit A-D Converter	1		\$5.86	\$5.86
8 Pin Serial Input	1		\$3.50	\$3.50
Wiring	1		\$2.00	\$2.00
Total Sensor Cost				\$32.81

Seismometer Cost without Electronics **\$22.33**

Total Seismometer Cost \$55.14

*Prices obtained from Home Depot, Radioshack, and Newark Electronics Catalog.
Taxes not included.