Parts List:

* Microcontroller: [ESP8266](https://www.ebay.com/itm/146529073441?var=0&mkevt=1&mkcid=1&mkrid=711-53200-19255-0&campid=5338590836&toolid=10044&customid=cc790f87cb5e19f0680f67b03bf23c77&gclid=cc790f87cb5e19f0680f67b03bf23c77)
* [12 connectors](https://www.ebay.com/itm/166072655823?campid=5338590836&mkcid=1&mkevt=1&mkrid=711-53200-19255-0&rb_itemId=166072655823&rb_pgeo=US&toolid=10044&var=0)
* Clock: [DS3231](https://www.arrow.com/en/products/ds3231s/analog-devices?utm_source=bing&utm_medium=cpc&utm_campaign=brand_b-ppc-arrow-amer-sku-english-all-usd-clock_and_timing-all_brands-v5_q1_2025&utm_content=na_en&gclid=ce3bbe633c3b185f7f5ed654ce1e86dd&gclsrc=3p.ds&msclkid=ce3bbe633c3b185f7f5ed654ce1e86dd&utm_term=ds3231s%23)
* [Buoy](https://www.amazon.com/X-Haibei-Inflatable-Protection-Mooring-D11-8H13-8/dp/B01EW4WMGE/ref=asc_df_B01EW4WMGE?tag=bingshoppinga-20&linkCode=df0&hvadid=80676718050797&hvnetw=o&hvqmt=e&hvbmt=be&hvdev=c&hvlocint=&hvlocphy=&hvtargid=pla-4584276305054055&th=1&psc=1)
* 10 meters of [nylon rope](https://www.uline.com/BL_3913/Nylon-Rope?pricode=WT455&utm_source=Bing&utm_medium=cpc&utm_term=nylon%20rope&utm_campaign=Strapping&AdKeyword=nylon%20rope&AdMatchtype=e&msclkid=0aaf215ec17a1f1785f74969330ac279)
* Pressure & Temperature probe: [MS5803](https://learn.sparkfun.com/tutorials/ms5803-14ba-pressure-sensor-hookup-guide/all)
* [Zip Ties](https://www.uline.com/Grp_65/Cable-Ties-and-Tools?pricode=WD92&utm_source=Bing&utm_medium=cpc&utm_term=zip%20ties&utm_campaign=Bags%2C%20Poly%20%2F%20Plastic&AdKeyword=zip%20ties&AdMatchtype=e&msclkid=cc9ee77549b81f6d761c8f42bb7ab1fd)
* 2 Small [hose clamps](https://www.oneida-air.com/8-to-12-inch-adjustable-quick-release-hose-clamp?utm_source=bing&utm_medium=cpc&utm_campaign=604792193&utm_term=&utm_content=&gclid=&msclkid=130da04fca6c1900a9d4c878392e530f)
* [Electrical Tape](https://buyheatshrink.com/heatshrinktubing/heat-shrink-kits-splices-and-end-caps/electrical-tape?feet=854&campaign=432141955&adgroup=1236951641882875&feeditem=&keyword=&matchtype=e&device=c&network=o&gclid=&creative=&msclkid=b2c5e5b1f56815152ea28d86061c34ab&utm_source=bing&utm_medium=cpc&utm_campaign=%5BBROI%5D%20NCA%3ATrue&utm_term=2329109225704554&utm_content=Ad%20group)
* Light sensor: [TSL2591](https://www.adafruit.com/product/1980)
* ~12lbs of Weights [Weights](https://www.1st-chainsupply.com/chain-by-type/weightlifting-chain/?msclkid=a2be25c42ab11114243e4df3d90fb355&utm_source=bing&utm_medium=cpc&utm_campaign=**LP%20-%20NonTM%20-%20Work%20Out%20Chains&utm_term=Weight%20Training%20Chains&utm_content=Weight%20Training%20Chains)
* 3x ½” [PVC pipe](https://pvcpipesupplies.com/1-2-sch-40-pvc-pipe-5-length-pt-4004-005ab.html)
* [PLA](https://www.matterhackers.com/store/c/mh-build-series?rcode=BING_PMAX_MHBUILDALL&msclkid=670b5278293a17f1f2223a4fdd28da26)