Equipment/supply list for maintenance, quality control, and troubleshooting of standard Stroud Center EnviroDIY Monitoring Station (pricing and availability subject to change)

SD cards and adaptors:

Power:
- Lipo Charger, PRT-15217, $9.95:
  - [https://www.sparkfun.com/products/15217](https://www.sparkfun.com/products/15217)
- USB wall adapter 5V, TOL-11456, $3.95:
  - [https://www.sparkfun.com/products/11456](https://www.sparkfun.com/products/11456)
- Lithium Ion Battery Pack - 3.7V 4400mAh, $19.95:
  - [https://www.amazon.com/Battery-Packs-Lithium-Pack-3-7V/dp/B0137IRGHG](https://www.amazon.com/Battery-Packs-Lithium-Pack-3-7V/dp/B0137IRGHG)
- USB Type A to Type C Cable, $4.95:
  - [https://www.amazon.com/products/44474](https://www.amazon.com/products/44474)
  - [https://www.amazon.com/CA-USB-AM-CM-1FT9830207](https://www.amazon.com/CA-USB-AM-CM-1FT9830207)
  - [https://www.sparkfun.com/products/15425](https://www.sparkfun.com/products/15425)

Cleaning/Maintenance:
- Brush (for Meter Hydros 21 CTD sensor and Campbell OBS3+ Turbidity sensor), $4.18: [https://www.lowes.com/pd/Scotch-Brite-Poly-Fiber-Dish-Brush//50273199](https://www.lowes.com/pd/Scotch-Brite-Poly-Fiber-Dish-Brush//50273199)
- Hose clamp driver, example $3.98: [https://www.lowes.com/pd/Sheffield-5-Piece-7-5-in-Multi-Bit-Screwdriver/50146890](https://www.lowes.com/pd/Sheffield-5-Piece-7-5-in-Multi-Bit-Screwdriver/50146890)
- UV resistant zip ties, $6.99: [https://www.amazon.com/TR-Industrial-TR88302-Multi-Purpose-Cable/dp/B01018DC96](https://www.amazon.com/TR-Industrial-TR88302-Multi-Purpose-Cable/dp/B01018DC96)
  - (5in recommended)
- Wire cutter, $5.98: [https://www.lowes.com/pd/CRAFTSMAN-4-5-in-Diagonal-Cutting-Pliers/1000596395](https://www.lowes.com/pd/CRAFTSMAN-4-5-in-Diagonal-Cutting-Pliers/1000596395)
  - (5in recommended)
- Q-tip cotton swabs

Quality Control:
- Conductivity and Temperature hand-held meter, e.g., Hanna Dist 3, $52.00: [https://www.hannainst.com/hi98303-dist-3-ec-tester.html](https://www.hannainst.com/hi98303-dist-3-ec-tester.html)
- Conductivity calibration solution, e.g., Hanna 1413 uS/cm Conductivity Standard, $26.00: [https://www.hannainst.com/hi70031p.html](https://www.hannainst.com/hi70031p.html)

Troubleshooting:
- Grove cable, $8.59: [https://www.amazon.com/Seeedstudio-Grove-Universal-Buckled-Cable/dp/B01CNZ9RJO](https://www.amazon.com/Seeedstudio-Grove-Universal-Buckled-Cable/dp/B01CNZ9RJO)
- Stereo jack (for Hydros21 CTD), $27.00: [https://www.envirodiy.org/product/envirodiy-grove-to-3-5mm-stereo-jack-pack-of-5/](https://www.envirodiy.org/product/envirodiy-grove-to-3-5mm-stereo-jack-pack-of-5/) (single units available soon)
- Replacement screw terminal port (for Turbidity sensor), $27.00: [https://www.envirodiy.org/product/envirodiy-grove-6-pin-screw-terminal-adapter-pack-of-5/](https://www.envirodiy.org/product/envirodiy-grove-6-pin-screw-terminal-adapter-pack-of-5/) (single units available soon)
- *Multiple above items included in Mayfly Starter Kit, $115.00: [https://www.amazon.com/EnviroDIY-Mayfly-Arduino-Compatible-Starter/dp/B01FCVALDW/ref=sr_1_2](https://www.amazon.com/EnviroDIY-Mayfly-Arduino-Compatible-Starter/dp/B01FCVALDW/ref=sr_1_2)*; includes Mayfly logger, waterproof enclosure, grove cables, vertical microSD card adapter, USB cable, microSD card and adapter

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