QuarkNet Cosmic Ray Muon Detector

Parts List

 DAQ: Thursday, June 27, 2024

|  |  |  |  |
| --- | --- | --- | --- |
| Component | Quantity | Unpacking | Packing |
| Muon Counters (assembled) | 4 | 4 |  |
| Data Acquisition Board (DAQ) | 1 | 1 |  |
| GPS Antenna with 5 meter cable | 1 | 1 |  |
| Temperature sensor | 1 | 1 |  |
| GPS/Temperature Module | 1 | 1 |  |
| GPS 100 foot (30.48 meter) CAT-5E cable | 1 | 1 |  |
| Power Distribution Box (PDU) | 1 | 1 |  |
| Power Supply 5 VDC (with cable) | 1 | 1 |  |
| PMT Signal Cables 50 feet (15.24 meters) | 4 | 4 |  |
| PMT Stereo Power Cables | 4 | 5 |  |
| USB 2.0 A to B computer cable | 1 | 1 |  |
| Power Cable (mono) 6 feet | 1 | 1 |  |
| Tote Bin | 1 | 1 |  |

Optional Parts

|  |  |  |  |
| --- | --- | --- | --- |
| Component | Quantity | Unpacking | Packing |
| Outdoor box with access | 1 | 0 |  |
| Tape measure | 1 | 1 |  |
| Velcro binding strips | 25 | 100 |  |
| Plastic Drop Cloths | 1 | 0 |  |
| Opaque 3 mil plastic garbage bags (42 gallon) | 5 | 0 |  |
| Electrical Tape | 3 | 10 |  |
| Multi-meter | 1 | 1 |  |
| Specification Sheets | 1 | 1 |  |
| Optical Couplant | 1 | 1 |  |
| Cotton Gloves | 1 | 1 |  |
| Assembly Instructions | 1 | 1 |  |
| Wire Labels | 1 | 1 |  |
| Protective boxes for DAQ and PDU | 2 | 2 |  |
| Inclinometer | 1 | 1 |  |