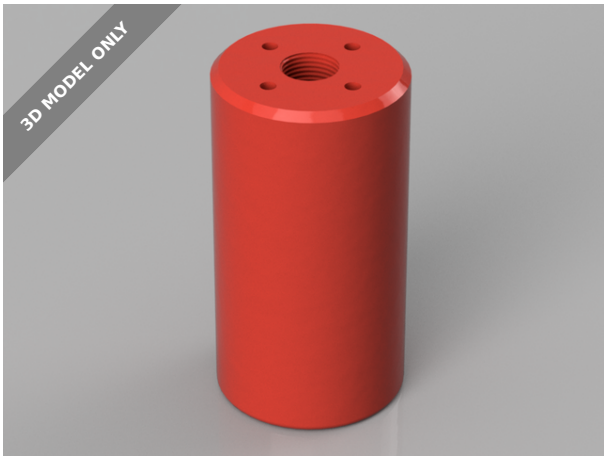

Water Level Measuring Tool

Wooddab

VIEW IN BROWSER

updated 16. 5. 2022 | published 16. 5. 2022

Summary

Used to find water surface distance from a user specified position.

Hobby & Makers > Tools

Tags: water tool float sensor level tester distance conductive sewer well depth

This tool utilizes a Anndason DP5200 water level sensor attached to a long wire to determine the distance to a water surface using a multi meter. My main use case for this device was to measure the water depth in wells to determine the proper amount of pipe to install. The threading is 3/8-32 UNEF and the maximum diameter of the float sensor assembly is 1 inch.

Usage:

1. Install your float sensor into the printed part.
2. Connect both wires of the float sensor to two long wires that are longer than the depth to your water body.
3. Connect your multi meter to the long wires and set to resistance measure function.
4. Lower tool into well using wire until the multi meter detects a significant resistance change.
5. Mark wire at the determined point and remove tool.

6. Measure distance between float valve and the mark on the wire to get depth from water surface.

Model files

depthmeasuringshroud.3mf

---

depthmeasuringshroud.stl

Units are Inches, use .3mf file or conversion ratio if scaling is wrong.

License

This work is licensed under a
Creative Commons (4.0 International License)

Attribution-NonCommercial

✖ | Sharing without ATTRIBUTION
✔ | Remix Culture allowed
✖ | Commercial Use
✖ | Free Cultural Works
✖ | Meets Open Definition