Easy-Shot Distance Measure for Lawn Bowling:

Parts List:

3D Printing Materials:

* 1 Roll of PLA or PETG filament for this device (use your preference)
* 3D Printer OR access to one
* [Brass Nuts Embedment Nut Assortment Kit](https://www.amazon.ca/dp/B09SZG96X4?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_1)

Wood Parts:

* The pole was made by glueing 2 pieces of oak together after routing a grove through the middle of each to create a channel for cables to pass. The whole thing was then turned on a wood lathe.

Electronics Components:

* 1 X [KeeYees Development Board 2.4 GHz](https://www.amazon.ca/dp/B07QCP2451?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_11&th=1)
* 2 X [waveshare 1.28 inch Round LCD Displays](https://www.amazon.ca/dp/B095X1JDCM?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_3)
* [DAOKI 22AWG Hook up Wire Kit](https://www.amazon.ca/dp/B08DTLGTRP?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_12&th=1)
* [PTSolns Prototyping Solderable Breadboard](https://www.amazon.ca/PTSolns-Prototyping-Solderable-Breadboard-Proto-Half/dp/B08T7YNF3D/ref=sxin_16_pa_sp_search_thematic_sspa?content-id=amzn1.sym.a0ad33d0-ba28-48c7-9aa0-231fb1fad82a%3Aamzn1.sym.a0ad33d0-ba28-48c7-9aa0-231fb1fad82a&crid=3L4294UVO2VBU&cv_ct_cx=proto%2Bboard&keywords=proto%2Bboard&pd_rd_i=B08T7YNF3D&pd_rd_r=6161c1a4-f6f5-4e08-a0fd-bacfbb5e3586&pd_rd_w=vYIRi&pd_rd_wg=yTfRZ&pf_rd_p=a0ad33d0-ba28-48c7-9aa0-231fb1fad82a&pf_rd_r=2QDGD1VQDS595FAASA62&qid=1758224302&sbo=RZvfv%2F%2FHxDF%2BO5021pAnSA%3D%3D&sprefix=proto%2Bboar%2Caps%2C130&sr=1-4-30a71431-0640-4d25-b8df-74e773a218a5-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9zZWFyY2hfdGhlbWF0aWM&th=1)
* 3 X [Individual waterproof Push Buttons](https://www.amazon.ca/dp/B08671VD54?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_7)
* [Talentcell Rechargeable 12V 3000mAh Lithium ion Battery](https://www.amazon.ca/dp/B01M7Z9Z1N?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_5)
* [Robojax VL53L0X Time-of-Flight (ToF) Laser Distance Sensor Module](https://www.amazon.ca/dp/B07BMCSJKN?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_2)
* [LiDAR Stemedu TFmini Plus Micro Range Finder Sensor 0.1m~12m](https://www.amazon.ca/dp/B07L8B2FVK?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_1)
* [Green line Laser Module Industrial Laser Module](https://www.amazon.ca/dp/B0BTPPFF4J?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_5&th=1)

Other Build Materials:

* [M2 M3 M4 M5 Stainless Steel Precise Metric Bolts](https://www.amazon.ca/dp/B07GXLFK1V?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_7&th=1)
* Glue
  + Hot glue
  + Super glue