How to build a Digital Inclinometer

Sighting Scope; Bunning:
https://www.bunnings.com.au/garden-rain-15mm-female-to-female-rural-poly-irrigation-coupling_p3111779

https://www.bunnings.com.au/garden-rain-15-x-150mm-poly-rural-irrigation-riser_p3111347

https://www.bunnings.com.au/garden-rain-15mm-rural-poly-irrigation-male-to-female-adaptor_p3111452

https://www.bunnings.com.au/paslode-20-x-1-25mm-100g-bright-bullet-head-nails-460-pack_p2360358

≈160mm Digital Level; eBay (≈<$40)
eBay item nos: 201630379010 – 295055132559 – 134153066831 – 144692907182
eBay item nos: 275334927490 – 165620981951 – 363956279642 - 134201642548
https://www.amazon.com.au/Qudai-Digital-Billet-Torpedo-Protractor/dp/B0B7MHSZ88/ref=sr_1_23_sspa
https://www.aliexpress.com/item/33002800500.html
https://www.aliexpress.com/item/32963648908.html

Assembly Instructions:

Hammer 20mm x 1.25mm nail through Poly Riser just near the end of the thread at one end taking care to keep the nail in the centre of the tube to form a "*cross hair*" for sighting.

Screw the four poly components together in the above order with Male to Female adaptor at opposite end to nail "*cross hair*"

Align the ridges on the two Female to Female poly fittings so the ridges are equidistant either side of the vertical centreline of the tube when the nail "*cross hair*" is horizontal so it will seat appropriately on the digital level

Insert good quality Lithium 9v battery (≈$16) in digital level:
https://www.bunnings.com.au/energizer-9v-ultimate-lithium-battery_p4410353

Using Black Electrical Tape, tape poly "*sighting scope*" on top edge of digital level ensuring "*cross hair*" nail is horizontal. Finish with 48mm Black Duct Tape front and back (optional).