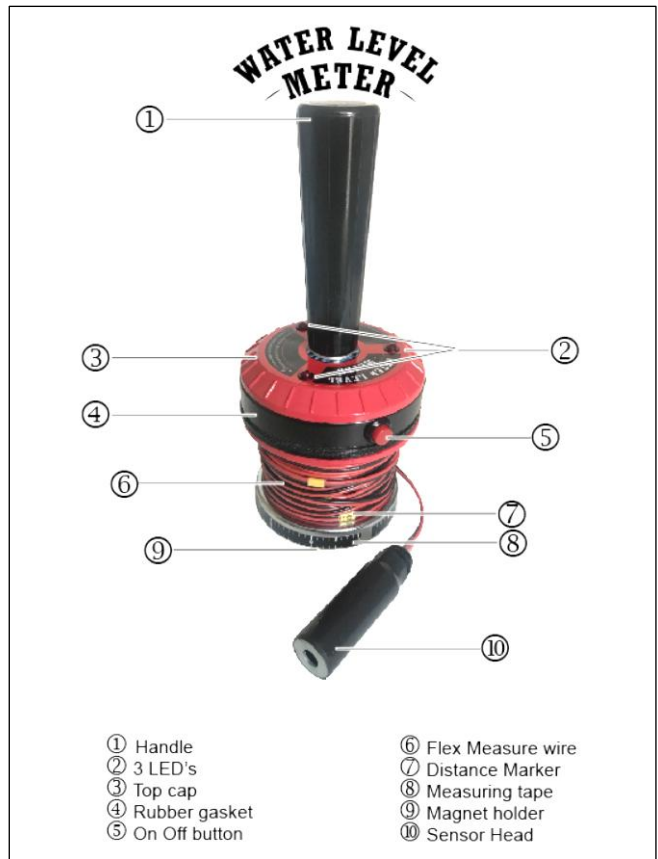
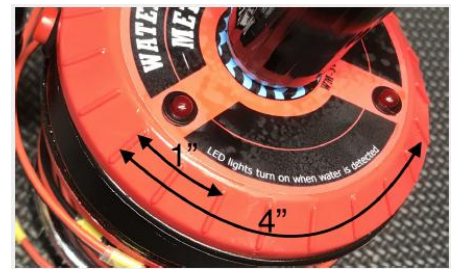


Thank you for choosing The H2O Tools Water Level Meter. Our manual was written to provide relevant information and to guide you in best practice when using the Water Level Meter in order for you to gain the most from our product. Please read this manual thoroughly before using the Water Level Meter to help avoid any problems and keep it handy when using the tool. The Water Level Meter is used to detect water levels in boreholes, standpipes, wells, etc. The Water Level Meter can measure the depth of water in boreholes, standpipes, wells, etc. The meter comprises of a metal probe fitted to a flexible cable which is wound on to a handle which can be easily detached and replaced with a wig-nut and special nut driver socket can be used with any battery power drill, to speed up the winding and unwinding if required. The Water Level Meter is simple to use and is portable which allows it to be used easily at many locations. The flexible cable allows the probe to be easily dropped inside boreholes, standpipes, wells, etc. and removed without any resistance. The Flex wire is high strength and stretch resistant, does not tangle or warp and designed not to stick to wet surfaces. Depth markings are permanently attached and protected with special tubing on the wire. The Water Level Meter has a magnetic base that allows unit to be attached to metal section of boreholes, standpipes, wells, etc., which can prevent bending and provides better working ergonomics. The Water Level Meter has Various models: 30ft, 50ft, 100ft, 200ft and 250ft as well as 10M, 20M, 30M, 60M and 80M. Units come with pre-installed (2) 9 Volt batteries, wig-nut handle replacement, power drill nut driver attachment and a carry bag. The 200ft and 60M and above units also come with a ball handle.

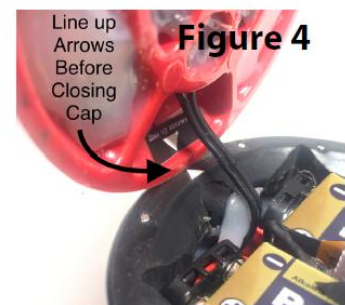
Features and Benefits - Flexible tape/cable for easy winding and unwinding, even in cold temperatures - Waterproof design - Permanent depth markings with extra tubing protection - Strong 80lb base magnet allows it be placed at any angle of metal section of borehole, well or standpipe etc. - 3 bright LED signals, that can be view at any angle even in bright sunlight up to 40 ft - (2) 9 volt batteries power the tool providing maximum usage between battery changes - Lightweight pocket size and portable - Ergonomically designed for ease of use - Probe can quickly and easily be attached to magnetic base while not in use or can hang from handle prior to use- Magnetic base allows it to be fastened on metal panel of work van or any metal surface for quick and easy access -- On/ Off switch conserves battery life - Power drill nut driver attachment can be used to speed up the winding and unwinding of tape/cable and prevent fatigue.



Operation The Water Level Meter can be used at any angle and can be easily attached to any well, borehole, standpipe etc. that has a metal surface. Each Water Level Meter is comprised of a metal probe fitted to a flexible cable wire tape that is wound on to a hand-held reel with an ergonomically handle. The cable is connected to an electronic circuit, 3 LED (light) signal indicator and (2) 9-volt batteries and an On / Off switch. The sensor probe incorporates an insulated gap which acts as a switch, the circuit being completed when contact is made with the water. The cable consists of a non-stretch flexible wire/tape with copper conductors marked in 4" intervals or 10cm intervals depending on unit. For more accurate measurements the ruler on unit can be used or the provide metal ruler. The probe is lowered down the borehole, standpipe, well, etc. **Caution:** keep cable wire away from any sharp edges. You can lower the probe by hand unwinding or with drill attachment. When it makes contact with water, the 3 LED's come on. A reading can then be taken from the measuring cable at the port level to record the depth. Ensure the unit is turned off after to conserve battery life. Measuring the depth to the closest 1/2" - Use the cap's 1/2" notched lines as a guide by placing the wire along rubber sides and counting notches Example: 2 notches equal 1" & 6 notch's equal 3" Also, the distance between LED's along rubber sides is 4" (8 notches). Use the ruler markings on the magnetic base or ruler provided for more accuracy once the closest footage distance is noted. - Place wire along the ruler, aligning the closest ft marker of the water depth to the zero point of ruler then add the distances from there. See Image to the right. Winding of the water level meter cable can be done manually by hand or with drill.

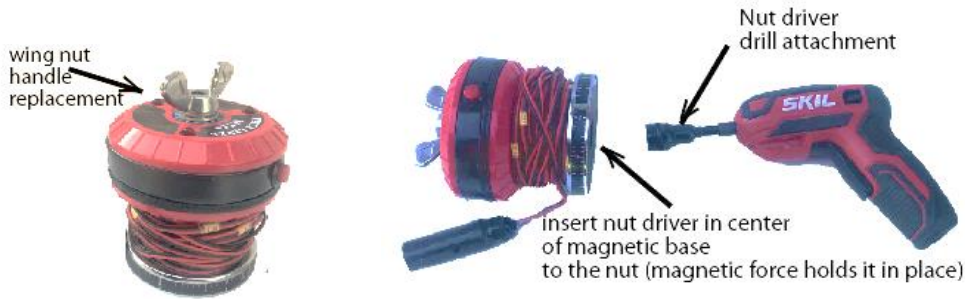


9 Volt Battery Replacement 1. To replace the 2 batteries, unscrew the handle (Figure 1) 2. Gently lift the top cap from the edge opposite the on/off bottom (Figure 2) 3. Allow the cap to be held open by the wire (Figure 3) 4. Carefully replace the 2 batteries not to jam or pull on any wires 5. Line up arrows on caps before closing (Figure 4) 6. Gently fold down top lid of unit making sure no wires are trapped when cap is lowered 7. Screw handle back on to bolt.



Cleaning the Conductive Contact The conductive contact inside the probe should be periodically cleaned with a non-abrasive cleaner such as isopropyl alcohol or a phosphate free type cleaner. To clean the conductivity contact, place a small amount of the cleaner on a cotton swab and gently rub (don't use too much force) the conductivity contacts to remove all foreign material. Repeat the process until all foreign matter has been removed. You can also dip probe in vinegar and salt mixture for 5 minutes and swirl the probe in mixture then dip and swirl in mixture of baking soda and water for 30 seconds then dip swirl in plain water to rinse off.

Installing Drill Nut driver attachment for use with drill (drill not provided) We recommend removing the handle and replacing it with wig-nut provided, or using the ball handle for larger units along with nut driver for more control when using drill attachment. Take the nut driver and insert it carefully on bottom of magnetic bases nut. There is a strong magnetic force that will hold the nut driver attachment to the base. Attach the other end to your drill and set it to the **slowest** speed to unwind and wind the water level sensor at allow the most control of the operation. Smaller mini drills lighter & will provide more control of speed and grip. **Caution:** When using drill on larger meters (A) place force on handle toward drill to avoid tool slipping of nut driver (B) stop winding operation a few feet from drill to avoid sensor propelling around tool when speed is too fast.



Troubleshooting *No Signal when unit is turned on and probe is in water*- The battery is discharged. Check the battery. (Section 5: Battery Replacement) - The circuit is malfunctioning. Contact H2O Tools. *No Indication of water* - The conductive probe contacts are dirty, clean the contact. (section 5: Cleaning the conductive contact) - There is an open connection in the cable. Replace the cable and or the probe. - *The circuit is malfunctioning*. Contact H2O Tools *The signal LED's are intermittent*- There is an open connection in the cable. Replace the cable or probe. - There is a loose connection in the circuit or the probe. Repair the connection. *The signal LED's are continuously*. - The Conductive contact is dirty (causing bridging). Clean the contacts. (section 5: Cleaning the conductive contact) - There is a short in the cable or probe. Replace the cable or probe. - The circuit is malfunctioning. Contact H2O Tools. *The signal LED's stay dim after probe is withdrawn from water*- When using the unit in areas of hard water, the LED's may continue to respond after the probe is withdrawn from the water. When this happens, the LED's will stay on faintly and not on full brightness. Dry out the probe contacts or blow out the electrode.

Specifications **Power Supply:** 2 x 9 Volt Batteries (included) **Measuring Cable/Wire:** Flex Silicone with Copper **Button:** On/ Off Button **Visual Indicators:** 3 LED's **Magnetic Base:** 80 lb Holding Capacity **Operating Environment:** Rated for outdoor use and is Water-proof **Battery Life:** 1000+ readings, 20hours of LED's staying On **Operating Temperature:** -40°C to 55°C (-40°F to 130°F) **Response time:** <100 milliseconds **Accessories:** Carry Bag, Drill attachment (nut driver), Wig-nut (handle replacement when using drill), Ball Handle (only on 60M,80M,200ft & 250ft units) **Markings:** every 4" for ft, 10cm for Meter (use included rulers for more accuracy) **Probe Diameter:** approx. 20mm **WM-30:** 2.3lbs, 3.8"x3.8"x7.9" 30ft length, **WM-50** 2.5lbs, 3.8"x3.8"x8.4" 50ft length, **WM-100:** 2.9lbs, 3.8"x3.8"x9" 100ft length, **WM-200:** 3.7lbs, 3.8"x3.8"x9.8" 200ft length, **WM-10M:** 2.4lbs, 3.8"x3.8"x7.9" 10M length, **WM-20M:** 2.6lbs, 3.8"x3.8"x8.4" 20M length, **WM-30M:** 3.0lbs, 3.8"x3.8"x9" 30M length, **WM-60M:** 3.8lbs, 3.8"x3.8"x9.8" 60M length.

Warranty For a period of one (1) year from date of first sale, product is warranted to be free from defects in materials and workmanship. H2O Tools agrees to repair or replace, at H2O Tools option, the portion proving defective, or at our option to refund the purchase price thereof. H2O Tools will have no warranty obligation if the product is subjected to abnormal operating conditions, accident, abuse, misuse, unauthorized modification, alteration, repair, or replacement of wear parts. User assumes all other risk, if any, including the risk of injury, loss, or damage, direct or consequential, arising out of the use, misuse, or inability to use this product. User agrees to use, maintain and install product in accordance with recommendations and instructions. User is responsible for transportation charges connected to the repair or replacement of product under this warranty

Equipment Return Policy Equipment Return Policy A Return Material Authorization number (RMA #) is required prior to return of any equipment to our facilities, please email us. An RMA # will be issued upon receipt of your request to return equipment, which should include reasons for the return. Your return shipment to us must have this RMA # clearly marked on the outside of the package. Proof of date of purchase is required for processing of all warranty requests. This policy applies to both equipment sales and repair orders. FOR A RETURN MATERIAL AUTHORIZATION, PLEASE EMAIL US at H2OToolsCanada@gmail.com. Model Number: _____ Serial Number: _____ Date of Purchase: _____ Serial Number The serial number for each tool is located inside cap near the batteries.

Equipment Decontamination Prior to return, all equipment must be thoroughly cleaned and decontaminated. Please make note on RMA form, the use of equipment, contaminants equipment was exposed to, and decontamination solutions/methods used. H2O Tools reserves the right to refuse any equipment not properly decontaminated. H2O Tools may also choose to decontaminate the equipment for a fee, which will be applied to the repair order invoice.

**WATER LEVEL
METER**