

Manual Soil Moisture Meter PRO

Operation procedure

1. Open the battery cover at the back side and install 4X battery size 1.5 AAA (not included). Take care of the polarity and close the battery cover. The meter is now ready to use.
2. Push the Power button with the red symbol to switch the meter on. "0" (zero) will appear in your screen and there will be 2 testing symbols at the left bottom side of the screen.
3. If the meter doesn't show a zero please clean the whole probe with an abrasive (kitchen) sponge and wipe the probe with a clean cloth until the probe is clean and shines again.
4. If the meter still doesn't show a zero please press the Zero button to reset the meter to zero.
Don't touch other keys at the same time, otherwise the reset will fail !
5. Push the probe in the soil and push the Hold button to get the reading in % moisture value. Leave the probe in the soil at the same spot and wait for about a minute. Press the Hold button again to get a second (more stable) reading. We recommend to do several measurements **at the same depth** close to each other in order to get an average reliable reading of the spot. **You need to push the Hold button every time you want to see a (new) reading.** You'd better wait for a minute after your first measurement and press the Hold button again to see the second reading. If you don't measure at the same depth you can't compare different readings because moisture levels are different at different depths.
6. You can push the Backlight button (the key with the bulb) to switch on backlight, if you press this key again backlight will be switched off.
7. If you push the Power button again the meter will be switched off. After 5 min. the meter will switch off automatically (=auto switch off mode).
8. The moment the battery symbol appears in the display you need to change the batteries immediately. Please take the batteries out if you're not going to use the meter for a long time.

Calibration if you don't measure in soil

If you don't want to measure in soil but in another substance (e.g. cement) you might need to calibrate the meter. You need to know the actual moisture level to begin with. Now you do exactly the same test (same spot and same depth) with the soil moisture meter PRO. In case there's hardly any difference between the actual moisture level and the reading of the soil moisture meter PRO the meter works fine. Should there be a big difference, you can calibrate the meter by long press the Fun (= Function) button until "ADJ" appears in the display. Now you can adjust (from 1-6) by pressing the Zero button or the Hold button until the meter meets the actual measuring result. Short press the Fun button again to confirm and to go back in the standard mode.

Set Max. and Min. value with acoustic warning signal

Long press the Fun button until "AL2" appears in your screen. You can set the max. value by pressing the Zero button to increase the value or the Hold button to decrease the value. The standard factory setting is 18. If your new reading will surpass your max. value you will hear an acoustic warning signal. Press the Fun button again to turn back to the standard mode.
Long press the Fun button until "AL1" appears in your screen. You can set the min. value by pressing the Zero button to increase the value or the Hold button to decrease the value. The standard factory setting is 13. If your new reading will be below your min. value you will hear an acoustic warning signal. Press the Fun button again to turn back to the standard mode.

Tips and warnings

1. Take several readings at the same depth at about the same spot to obtain a reliable average reading.
2. **Never use the meter in water or other liquids, this will damage the probe!**
3. **Always clean the whole probe (point included) with an abrasive (kitchen) sponge before you start to measure.**