

WATER & SOIL

HydroSense Li Battery change

The Lithium back up battery has a lifetime of around 5 years. Once replaced the meter will continue to operate normally again for a further 5 years. If this battery is replaced before it has fully discharged, it may be changed whilst the meter is switched on, without the need for re-entering the calibration data. The AA cells will retain the data (when switched on) during the lithium battery replacement.

The symptoms of a discharged lithium battery will be loss of time and date, loss of calibration factors, but most easily identified is the loss or corruption of the ID number when the meter is first switched on.

To replace the lithium battery, remove the main battery compartment cover and unscrew the 4 corner screws (2 in battery compartment, 2 on main box). Carefully open the 2 halves of the meter. The lithium battery is located behind the keypad, it is a round coin cell in a black holder. Remove and replace with a 3V Lithium Battery type CR2032 (available from RS Components, part number 597-201). Reassemble the meter.

Switch on the meter. Before entering any calibration data, please follow these steps to enter default settings:

Press 0 for System check / Calibrate. Press 1 for Set Default Values. Follow instructions on the display.

Press 4 for Read / Clear Memory. Press 3 for Reset Memory. Follow instructions on the display.

Inside the battery compartment cover there is a sticker with the meter's serial number and an OS number. This OS number is the meter's differential amplifier offset. Press 6 for Set Parameters. Press 6 for Differential Amplifier Offset / Set Identity Number. Press 1 for Differential Amplifier Offset. Enter the OS number as a 3 digit value, ignoring any leading zeros.

You may now enter the calibration data, set the clock etc as normal please see the separate set up instructions or your instruction manual.

