

### Model BTDS03 Water Quality Tester Calibration Instructions

Membrane Solutions® handheld meters are factory-calibrated and designed to stay consistent. If you do need to recalibrate your meter follow the instructions below:

#### Items Required:

- Membrane Solutions® BTDS03 Digital TDS EC Meter.
- Standard Calibration Solution 500ppm.
- Clean Cup/Container.

#### Calibration Method

1. Rinse the cup/container with a small amount of the calibration solution and empty to drain
2. Refill the cup with calibration solution
3. Hold TDS meter in the solution up to the maximum immersion level, lightly stirring meter to dislodge any pockets of air from the sensor.
4. Press the **ON/OFF** button once to turn on the meter, wait a further 15-seconds for the reading to stabilize in the solution.
5. Press and hold the **MODE** button for 3 seconds until the TDS reading on the screen starts to flash, then release the button.
6. After 2-3 seconds, the electronic calibration to 500ppm ( $\pm 2\%$ ) will complete, and the TDS reading will stop flashing.

The calibration is now complete.

### **How to Make your own TDS Calibration Solution**

If you prefer to make your own 500ppm Standard TDS solution suitable for calibrating the Membrane Solutions® BTDS03 Digital TDS EC Meter, please follow these instructions:

#### **Items Required:**

- 1 Litre of pure water (H<sub>2</sub>O). RO or distilled water is OK.
- 0.25g of table Salt (NaCl).
- Mixing container, >1 Litre.

#### **Method**

- Carefully measure out 0.25g (250mg) of plain table salt.
- Mix the table salt into the liter of water until it's completely dissolved, careful not to spill any water as it must still be 1 Litre in volume for it to maintain the correct strength.

**Calibration Tip:** When calibrating the Membrane Solutions TDS meter, try and maintain the temperature of the calibration solution as near to 25°C (77°F) as possible, this is the temperature reference point and will give a more accurate calibration result.