



Maxim Quick Start Guide

Horiba U-52 Water Quality Meter

The Horiba U-52 is a water quality meter that measures; temperature, conductivity, pH, ORP, DO & turbidity for surface water or groundwater.

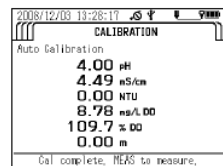
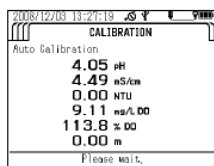
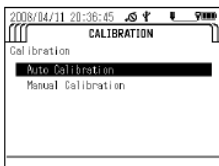


Normal Operation:

Press the “Power” button, instrument will start-up and begin to display multi-parameters on the handset screen.

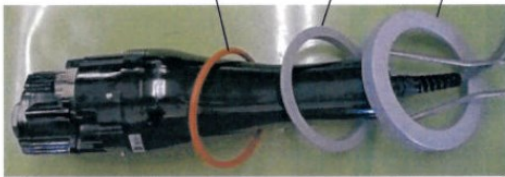
Auto-Calibration

- Fill the clear calibration cup with the provided auto-cal solution to the “with TURB” measurement line.
- Insert the probe into the cup ensuring the DO sensor is aligned with the sensor hole.
- Place the clear cup within the black calibration cup.
- On the handset, press the “CAL” button and select “Auto Calibration” The “Please Wait” message will appear on the screen during calibration, when all the sensors have stabilized, press the “Enter” key.
- Calibration is completed when the message “CAL complete” appears on the screen.



Connecting the Flow Cell

- Unscrew the top cap and remove along with grey O-ring cover and red O-ring.
- Arrange all three on the probe as shown below:



- Insert the probe into the flow cell body ensuring that the silver pins on the probe are aligned with the guide holes on the flow cell.
- Once inserted, push the red O-ring and O-ring cover down until the O-ring cover is flush with the flow cell body.
- Thread the top cap ensuring not to cross-thread.



If the flow cell leaks during sampling, the silver clamps on each side can be loosened with a Philips screw driver, shifted down, and re-tighten. This ensures a stronger seal and prevents leaking.

Tips on use:

- This instrument is not designed to measure free-phase contaminants. Exposure to free-phase solvents can damage the sensors and probe assembly.
- The handset is not designed for water submersion, this can lead to damages.
- Do not store the instrument in below zero °C temperatures as this can damage the probe sensors.