QUICK START GUIDE: YSI 556 Water Quality Meter

This guide is meant to serve as a quick reference for operating the YSI 556.
It is not intended to replace the information found on the links on:
http://www.vanwalt.com/ysi-water-meters.htm.
Included in this guide are the section numbers from the full-length manual where additional information may be found.

MENU FUNCTIONS (2.9-2.11)

The YSI 556 is set up with a menu-base interface. To navigate through menus, use up & down arrow keys to highlight a desired menu option, then press *Enter* key to open menu feature. Press *Esc* key to return to a previous screen. The YSI 556 will automatically power on to *Run* screen. Press *Esc* key to display main menu screen.

TAKING MEASUREMENTS & STORING DATA (7-9)

1. Turn YSI 556 on & you will automaticaly be in *Run* (logging screen). If already on & in main menu select *Run*.
2. Insert probe into sample to be measured. Continuously stir, or move probe, through sample (or preferably use a flow cell) until readings on screen stabilise.
3. Use arrow keys to highlight Log one sample or select Start logging to record a series of data. Press *Enter*. The *Enter* Information screen should appear.
4. To enter a filename for measurement, press *Esc* to go into main menu & use arrow keys to navigate to logging set up. Press enter, then select: Use site list, then Edit site list, then enter desired filename/site name/site number.
5. If you would like to enter an optional site description, highlight that field & use keypad to enter information. Press *Enter*.
6. Highlight *OK* and press *Enter*. If logging one sample, instrument will confirm the data point was successfully logged.
7. If a series of points is being logged, Start logging entry in run screen will change to Stop logging. At the end of the logging interval, press *Enter* to stop logging.

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Cost of Calibration Solutions:

pH4 &7 buffers	- £11.74 each
Conductivity	- £21.85
Redox	- £33.53

These prices are correct as of January 2014 but are subject to change.

USING DOWN WELL

1. Remove clear calibration cup unscrewing & replace with probe guard provided.

WARNING: Using in downwell applications without probe guard will damage sensors leading to high repair costs.

2. Lower cable slowly down to desired depth, taking care to not drag cable along casing edge & not kinking cable as this could damage wiring.
3. Allow readings to Stabilise.

Please note: In some cases, slowly bobbing probe up & down to create flow past sensors may stabilise reading more quickly.

TEMPORARY STORAGE OF THE PROBE

1. Rinse off probes with tap water, fill calibration/storage cup with approximately 5mm of tap water. Screw calibration/storage cup onto probe.
2. Disconnect meter from cable assembly (unlock connection by twisting connection ring counter clockwise, gently pull off after unlocked. Do not force disconnection as this could cause damage to the cable).

Notes:

May we remind you that there is no set time limit for calibration. An instrument could be out of calibration for many reasons, such as shocks to instrument or quality of your samples. This instrument will have left our premises calibrated.

However, we strongly recommend you to check the instrument against fresh standards before starting your measurement. If the result is materially different, then you should re-calibrate. For calibration methods click: **http://www.vanwalt.com/ysi-water-meters.htm.**

For your convenience we have included fresh & sealed calibration solutions, you will only be charged if you use them. We will only accept the return of sealed bottles. If you open a bottle we suggest you keep it for future use. Shelf life for these standards is approximately 2 years. They should be stored away from sunlight, at a temperature of 5-20°C.