This Quick Start Guide is for the Myron L® Company Pool Pro Model PS6FC®. Download the full PS6FC® Operation Manual (P/N PS6FCEOM) from www.myronl.com to get a more detailed set of instructions for taking measurements, storing and recalling measurements, changing instrument settings, maintenance procedures, calibration procedures, Troubleshooting Guide and the FACTORY CAL reset procedure.

**QUICK REFERENCE INSTRUCTIONS**

1. TEMPERATURE SENSOR – Houses thermistor for making temperature measurements.
2. CONDUCTIVITY CELL – Contains electrodes that generate a flux field in defined area for Conductivity, TDS, and MIN/SALT.
3. PH SENSOR (user replaceable) – Measures test sample’s hydrogen ion concentration. The reference junction is located under the glass bulb.
4. pH SENSOR PROTECTIVE CAP – Snaps in place to protect pH Sensor when not in use and seals in Storage Solution.
5. LCD DISPLAY – Displays measurements, units of measure, active measurement mode, current solution mode setting, low battery warning (LOBATT), and other information (see below).
6. MEASUREMENT KEYS – Press and release any of these to turn off the PS6FC® and begin taking measurements.
7. FUNCTION KEYS – Press and release to store the current measurement (MS), recall a stored measurement (MR).
8. CAL/MEMORY CLEAR KEY – Use to calibrate (CAL) the active measurement parameter or press and hold to clear displayed memory location (MCLR).
9. BLUDOCK SYMBOL – Indicates that this PoolPro PS6FC® is equipped with Myron L® Company’s optional wireless transceiver for wireless data download.

**PS6FC® FEATURES**

1. MAIN VALUE DISPLAY – Displays the current measurement value or settings menu information.
2. UNITS OF MEASURE ICONS – Appropriate icon appears to show the units of measure for the current measurement.
3. TEMPERATURE UNITS OF MEASURE – Displays °C (Celsius) or °F (Fahrenheit) based on setting selected for Temperature readings.
4. MEASUREMENT ICONS – Appropriate icon appears to show what type of measurement is being made.
5. BUFFER ICON – Appears when the PS6FC® is in pH Calibration mode to indicate that the instrument is expecting a pH buffer solution
6. TEMPERATURE DISPLAY – Shows temperature of the sample solution, memory location number (1 to 100) or buffer during pH calibration.
7. SOLUTION MODE ICONS – Appropriate icon appears to indicate the current solution temperature compensation mode setting for Conductivity, Min/Salt and TDS measurements.
8. LOBATT ICON – Appears when the PS6FC®’s battery requires replacement.
9. CAL ICON – Appears when the PS6FC® is in Calibration mode.
10. MEMORY ICON – Appears to indicate that the values and icons being displayed are for a measurement stored in the PS6FC®’s memory and are NOT a live measurement.

**PS6FC® DEFAULT SETTINGS**

**OPERATING INSTRUCTIONS**

**MEASUREMENT SETUP:** Before you take a reading, make sure the PS6FC® is clean, calibrated, and if measuring COND or TDS, that the desired solution mode has been selected (See Section II of Operating Instructions, below). The sample solution must also be within the specified range.

**I. MEASUREMENT**

1. Rinse and empty the appropriate sensor (conductivity or pH / ORP) 3 times with sample to be measured.
2. Fill with test sample.
3. Press appropriate Measurement Key:
   - COND to measure CONDUCTIVITY
     0-9999 MICROSIEUEMS (µS/cm), 10-200 (mS/cm)

**Solution Modes:**

- **CONDUCTIVITY:**
  - KCl
  - NaCl
  - 442 
  - MIN/SALT

- **TDS:** Measures TOTAL DISSOLVED SOLIDS
  - 0-9999 parts per million (ppm), 10-200 (ppt)

- **MIN/SALT:** Same as TDS but displays in
  - 10-200 parts per thousand (ppt).

- **ORP:** Measures Oxidation Reduction Potential (REDOX) ± 999 mV

- **pH:** Measures 0-14 pH

**NOTES:**

- When finished making Conductivity, TDS, or MIN/SALT measurements, rinse the cell cup with clean water (preferably DI, RO, or distilled).
- When finished measuring pH, ORP or FC®, rinse sensor well with clean water (preferably DI, RO, or Distilled), refill it with Myron L® Storage Solution then reinstall protective cap.

PS6QSI Rev: 07-16
II. Solution Mode Selection

1. Press COND, TDS, SALT or TDS to select which parameter is having its solution type changed.
2. Press and hold CAL about 3 seconds or until “SEL” appears on the display.
3. Use the ▲ or ▼ key to select type of solution desired. The possible solution types are KCl, NaCl or 442™.
4. Press CAL to accept new solution type, or to turn on the SALT (salinity) mode.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Standard Solution or Buffer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductivity KCl</td>
<td>KCl: 7000 µS</td>
</tr>
<tr>
<td>TDS 442™</td>
<td>442™: 3000 PPM</td>
</tr>
<tr>
<td>pH and FC2</td>
<td>4.0, 7.0 and 10.0 buffer</td>
</tr>
<tr>
<td>Alkalinity</td>
<td>100 ppm Alkalinity Standard Solution</td>
</tr>
<tr>
<td>Hardness</td>
<td>200 ppm Hardness Standard Solution</td>
</tr>
<tr>
<td>FC2 ORP calibration</td>
<td>is electronic and based on pH Cal Results</td>
</tr>
</tbody>
</table>

i. CONDUCTIVITY, MIN/SALT OR TDS CALIBRATION

1. Rinse cell cup 3 times with proper fresh standard solution.
2. Refill cell cup with standard solution.
3. Press COND, MIN/SALT or TDS, then press “CAL.” “CAL” will appear.
4. Press ▲ or ▼ until display agrees with standard solution.
5. Press CAL to accept value.

NOTE: A deviation of more than 10% from standard solution value will produce a “FAC” on the display. Press CAL to accept factory calibration, or clean the cell and recalibrate.

II. pH/CALIBRATION

1. Rinse sensor well 3 times with 7.0 buffer solution.

II. BATTERY REPLACEMENT (LOBATT)

1. Clean and dry Instrument THOROUGHLY.
2. Remove the four (4) bottom screws.
3. Open instrument CAREFULLY.
4. Carefully detach battery from circuit board.
5. Replace with 9-volt alkaline battery.
6. Replace bottom, ensuring the sealing gasket is installed in the groove of the top half case.
7. Re-install the 4 screws, tightening them evenly and securely.

CAUTIONS
- Solutions in excess of 71°C/160°F should not be placed in the cell cup or on the electrodes or if readings are not as expected, use isopropyl alcohol or a foaming non-abrasive household cleaner.
- Rinse out the cleaner, and your PS6FC® is again ready for accurate calibration then measurements.
- If the pH sensor dries out or becomes dirty, it may be cleaned and/or reconditioned. For instructions on preforming these operations, download the full PS6FC® Operation Manual from the Myron L® Company website.

IV. pH Sensor Replacement

Order model RPR. Be sure to include the model and serial number of your instrument to ensure receipt of the proper type.

NOTE: Complete installation instructions are provided with each replacement sensor.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Spec</th>
<th>pH</th>
<th>CONDUCTIVITY</th>
<th>TDS &amp; MIN / SALT</th>
<th>ORP</th>
<th>FC²</th>
<th>TEMP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranges</td>
<td>0-14 pH</td>
<td>0 - 9999 µS/cm; 10 - 200 mS</td>
<td>0 - 9999 ppm; 10 - 200 ppt</td>
<td>± 999 mV</td>
<td>± 1 mV</td>
<td>± 0.1 °C / °F</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.01 pH</td>
<td>0.01 &lt; 100 µS</td>
<td>0.01 &lt; 100 µS</td>
<td>0.1 &lt;1000 µS</td>
<td>0.1 &lt;1000 ppt</td>
<td>0.1 &lt;100ppt</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 0.01 pH</td>
<td>±1% of reading</td>
<td>±1% of reading</td>
<td>±1% of reading</td>
<td>±1% of reading</td>
<td>±1% of reading</td>
</tr>
</tbody>
</table>

CON/TDS Ratios Programmed: KCl, NaCl or 442™ Adjustable 0.20 - 0.70 0.99

Temp Co Auto: 0-71°C, 32-160°F Adjustable (COND & TDS) 0 - 9.99% / °C

MAINTENANCE

- Whenever the pH sensor is not in use make sure it is filled with Myron L® Company Storage Solution and that the protective cap is in place.
- For this reason, and because calibration solutions for ORP are highly reactive and potentially hazardous, your PoolPro has an electronic ORP calibration.
- This causes the zero point on the reference electrode to be set whenever pH 7 calibration is done.

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