

Instructions



ORP Calibration Kit

Part # ORPCALKIT

Contents:

ORP802OZ

80 mV ORP Standard Solution:

- Quinhydrone
- pH 7 Buffer

ORP2602OZ

260 mV ORP Standard Solution:

- Quinhydrone
- pH 4 Buffer

ORP4701OZ

470 mV ORP Standard Solution:

- MLC Light's Solution

OECP

ORP Electrode Cleaning Paper



CAUTION: This kit contains hazardous chemicals.

Handle in accordance with good industrial hygiene and safety practices.

SDSs are available at: www.myronl.com.

These chemicals should be stored in a cool dark environment prior to use and disposed of in accordance with applicable federal, state, and local laws after use. **DO NOT REUSE.**

ORP802OZ or ORP2602OZ Standard Solution: Requires preparation prior to use.

NOTE: During shipping this kit may have been overturned. Prior to removing the cap, carefully tap the blue bottle to release any quinhydrone granules that may have stuck to the inside of the cap.

NOTE: After mixing, the ORP80 or ORP260 Standard Solution **MUST** be used within 2 hours.

To mix the ORP80 or ORP260 standard solution:

1. Remove the 2 oz. bottle of pH 7 buffer (for ORP80) or pH 4 buffer (for ORP260) from the plastic bag and remove the cap.
2. Remove the cap from the blue bottle.
3. Pour 2 oz. of pH buffer (pH 7 for ORP80 or pH 4 for ORP260) into the corresponding blue bottle containing quinhydrone granules.
4. Close the cap securely.
5. Shake vigorously for 1 to 2 minutes.

NOTE: Some of the quinhydrone granules may not fully dissolve, this is normal.

6. The ORP80 or ORP260 Standard Solution is now ready for calibrating/validating your PT3 ORP pen, PT4 Free Chlorine Equivalent pen, or validating your Ultrameter II™/III™ or POOLPRO™.

ORP4701OZ MLC Light's ORP Standard Solution is shipped ready to use. However, some settling may have occurred during shipping. Verify the cap is securely closed, then gently shake prior to use.

ORP4701OZ has a 6-month shelf life if stored in a cool dark environment.

(See Reverse Side for Multi Pack Instructions)

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ORP Standard Solutions - Multi Packs and Quarts

Part #s ORP80MP/ORP260MP

ORP80MP

80 mV ORP Standard Solution:

- Quinhydrone, 16 packets
 - pH 7 Buffer, 1 quart
- Blue Mixing Bottle
ORP Electrode Cleaning Paper

ORP260MP

260 mV ORP Standard Solution:

- Quinhydrone, 16 packets
 - pH 4 Buffer, 1 quart
- Blue Mixing Bottle
ORP Electrode Cleaning Paper

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SDSs are available at: www.myronl.com.

These chemicals should be stored in a cool dark environment prior to use and disposed of in accordance with applicable federal, state, and local laws after use. **DO NOT REUSE.**

ORP80MP or ORP260MP Standard Solution: Contains enough for 16 calibrations. Requires preparation prior to each use. **NOTE:** After mixing, the ORP80 or ORP260 Standard Solution **MUST** be used within 2 hours.

To mix 2 oz. of 80 mV or 260 mV standard solution:

1. Remove the cap from the blue bottle.
2. Pour contents of 1 quinhydrone packet into the blue bottle.
3. Pour pH buffer (pH 7 for 80 mV or pH 4 for 260 mV) into the blue bottle up to the fill line.
4. Close the cap securely.
5. Shake vigorously for 1 to 2 minutes.

NOTE: Some of the quinhydrone granules may not fully dissolve, this is normal.

6. The ORP80 or ORP260 Standard Solution is now ready for calibrating/validating your PT3 ORP pen, PT4 Free Chlorine Equivalent pen, or validating your Ultrameter II™/III™ or POOLPRO™.
7. After use, dispose of used solution properly and clean the blue mixing bottle for future use.

Temperature Compensation Table: ORP Standard Solutions

80 mV Quinhydrone Solution

Temp in °C	ORP (mV)
15	94
16	92
17	91
18	89
19	88
20	87
21	85
22	84
23	82
24	81
25	80
26	78
27	77
28	76
29	74
30	73

260 mV Quinhydrone Solution

Temp in °C	ORP (mV)
15	269
16	268
17	267
18	266
19	266
20	265
21	264
22	263
23	262
24	261
25	260
26	260
27	259
28	259
29	258
30	257

470 mV MLC Light's Solution

Temp in °C	ORP (mV)
15	459
16	460
17	461
18	462
19	463
20	465
21	465
22	466
23	468
24	469
25	470
26	471
27	472
28	473
29	474
30	475

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