

Aluminum¹, Ammonia², Molybdate³ test procedure

- 1 TURN METER ON**
Press the  button to power the meter on; the display will show annunciators, followed by the current selection. It will then display the last reading.
- 2 SELECT GROUP & MENU**
Press and re-press the  button to **Select Group**. Press and re-press the  button to select the test parameter (see chart on page 4 of your Smart Guide).
- 3 RINSE & FILL CELL WITH SAMPLE**
Rinse the **CELL** at least 3 times with the water sample you will be testing—rinsing minimizes the potential for cross-contamination from a previous test. Finally, fill **CELL** to capacity with the water sample. Tilt meter to discard about 0.2mL water to leave room for liquid reagent.

 Follow the steps to 'SELECT CUSTOMER' & 'CONNECT DEVICE VIA BLUETOOTH' before proceeding (see page 8).

- 4 ADD DROPS**
Using the selected bottle of reagent, add the required drops (see chart below) and cover the **CELL** with the **CELL COVER**. *Precaution: Ensure that the bottle is straight when dispensing drops.*
- 5 ZERO METER***
Press the  button. The cursor will move across the display followed by **0.00 PPM**. This will indicate that the sample is ready for testing.
- 6 DIP STRIP & PRESS READ**
Using the required strip (see chart below), dip strip into the **CELL**, and immediately press  to initiate a 20 second countdown. Move the strip using a gentle back and forth motion (approx. 2 strokes/sec). **Remove and discard the strip after "1" on the display disappears.*** The meter will automatically start to count up. The count up time will vary for each parameter. At the end, the cursor will move across the display while the meter prepares to measure the sample. Record the value displayed for the respective parameter. This value is automatically stored in its **MENU** and if using the eXact iDip[®] app, the result will be saved in the app's '**RESULTS**'. After testing, rinse **CELL** immediately and clean with the brush. After Sulfide testing: rinse **CELL** with Distilled White Vinegar, 0.1N HCl, or Muriatic Acid and clean with brush.

| Parameter / Test | Part No. | Count-up Time | Reagents Used |
|---|----------|---------------|--|
| Aluminum (Al ³⁺) ¹ | 486821 | 80 seconds | 5 Drops AL Buffer & AL Strip |
| Ammonia (NH ₃) | 486654 | 500 seconds | 3 Drops NH (fresh) or 10 Drops NH (salt), & NH Strip |
| Molybdate | 486653 | 120 seconds | MO Strip, 5 drops MO |
| Sulfide (S ²⁻) | 486818 | 180 seconds | 4 Drops S & S2 Strip |

Aluminum, Ammonia & Sulfide (SPECIAL NOTES)

¹ **Aluminum** — **A.** First, clean the **CELL** with 0.1N HCl, Distilled Vinegar (5%), or Muriatic Acid (diluted 1:40 with H₂O) before testing. **B.** If running multiple tests in a row, using the same water sample, the **CELL** does not have to be rinsed or cleaned with acid between each test. It is recommended that the **CELL** be rinsed 3 times with the sample water.

² **Ammonia** — The calibration of the meter is based on a water temperature between 14°C (57°F) and 28°C (82°F). If temperature is below 14°C (57°F), your final Ammonia value may read low.

³ **Sulfide** — **A.** For results as Hydrogen Sulfide (H₂S), multiply the resulting value by 1.06. **B.** The calibration of the meter is based on the water sample temperature above 20°C (68°F). If the water sample is below 20°C (68°F), the strip **has to dip in the sample for an additional 10 seconds.**

*For best accuracy, when testing outdoors in sunlight, place cap over cell cover