

## Air Quality Measurements:

### Items:

- Temtop M2000C Air Quality Monitor

### Will measure:

- PM2.5
- PM10
- CO<sub>2</sub>
- Also gives Temperature and Relative Humidity readings

### Procedure:

- Press power button for 2 secs and let the sensor “preheat” for about 5 minutes
- Hit any of the menu options (PM2.5, CO<sub>2</sub>, All info) and check if the sensor is “Running”; should see it on top left
- Be aware that if the concentrations, particularly CO<sub>2</sub>, are beyond the upper limit value, the buzzer will give out the alarm (for ex: if CO<sub>2</sub> ≥ 1000, alarm will go off).
  - To turn off, press the 3-dot-3-line symbol and go to “turn off alarm sound”
- Readings should be taken from center of the room in question (leave monitor for 5-10 minutes)
- Press “Pause measuring” on any menu option to pause all parameters
- Record on tablet

Health Parameter Guide							
PM2.5	PM10	AQI	CO2(ppm)	Status	HCHO(mg/m <sup>3</sup> )	TVOC ( mg/m <sup>3</sup> )	Displayed Contents
0.0-12.0	0-54	0-50	0-700	Good	0-0.1	0-0.5	Safe
12.1-35.4	55-154	51-100	701-1000	Moderate	> 0.1	> 0.5	Unsafe
35.5-55.4	155-254	101-150	1001-1500	Unhealthy for Sensitive Groups			
55.5-150.4	255-354	151-200	1501-2500	Unhealthy			
150.5-250.4	355-424	201-300	2501-5000	Very Unhealthy			
≥250.5	≥425	≥301	≥5001	Hazardous			

## Water Quality Measurements: *CHLORINE*

### Items:

- eXact iDip
- gloves
- cleaning brush
- sample bottle
- liquid waste disposal
- Ziploc bag (dispose of strips)
- 4 AAA batteries (backup)

### Will Measure:

- Total chlorine: the EPA's maximum

### Procedure:

*\*Make sure to purchase chlorine tests in advance: go to Store → scroll down and select Chlorine, Total (DPD-4) CL → buy\**

*\*Might want to use different tablets to perform water sampling & to record the sampling results to avoid losing data or Bluetooth connection. In other words, use tablet #2 to perform water sampling and record on tablet #1 which is the Survey tablet\**

- On mobile app, click "**Customers**", then "+" sign on top right to ADD a customer contact
  - Type Case # or Dwelling ID?
- **Power on** eXact iDip (Zero/On)
- On mobile app, select **Bluetooth test** and select iDip device to connect (might take a few minutes if first time)
- Before testing, rinse iDip cell and clean with brush; **rinse 3 times** with water **SAMPLE** to be tested and **FILL** to top
- On mobile app, tap "**Select Test**" at the top (right below 'Profile')
  - For us, test will be "Chlorine, Total (DPD-4) CL"
  - iDip monitor should also display test name
- Place cell **cover** onto cell and press "**ZERO/ON**" and iDip monitor should display '0 PPM' (means it's ready)
- Remove one Strip (e.g. DPD-4)
- Press "**READ**" to start 20 sec countdown and simultaneously DIP strip and use a gentle constant back and forth motion (**2 strokes per sec**) until timer displays '1'
- Remove and **discard strip** into Ziploc bag
- Wait for count-up time if required (for DPD-4 yes)

- Results displayed on both app and monitor; **Record on tablet**
- Tap “**Results**” at bottom of screen
- Add ‘**Site**’ to specify water source (ex: Tap source)
  - Can add notes too (color, smell, etc)
- Hit “**Save**” to store in ‘History’
  - If this is not done, results will not be permanently saved!!
  - Should see a ‘Results Saved Successfully’ pop-up box
- Send/**Share** Option via Email
  - Additional guarantee of saved results?

## Water Quality Measurements: *TOTAL DISSOLVED SOLIDS*

### Items:

- TDS Meter
- gloves
- Sample bottle

### Procedure:

- Press **ON/OFF**
- Immerse tester into water sample **no more than 2 inches**
- Wait 10-30 seconds for reading to stabilize and press **HOLD** to hold the reading and take out the meter

\*Note: if the reading displays a flashing X10 icon, multiply the reading by 10\*



