

# How to use the **Nitrite** Hanna Meter

Step 1: **Press (tap)** the on/off button to turn on the checker



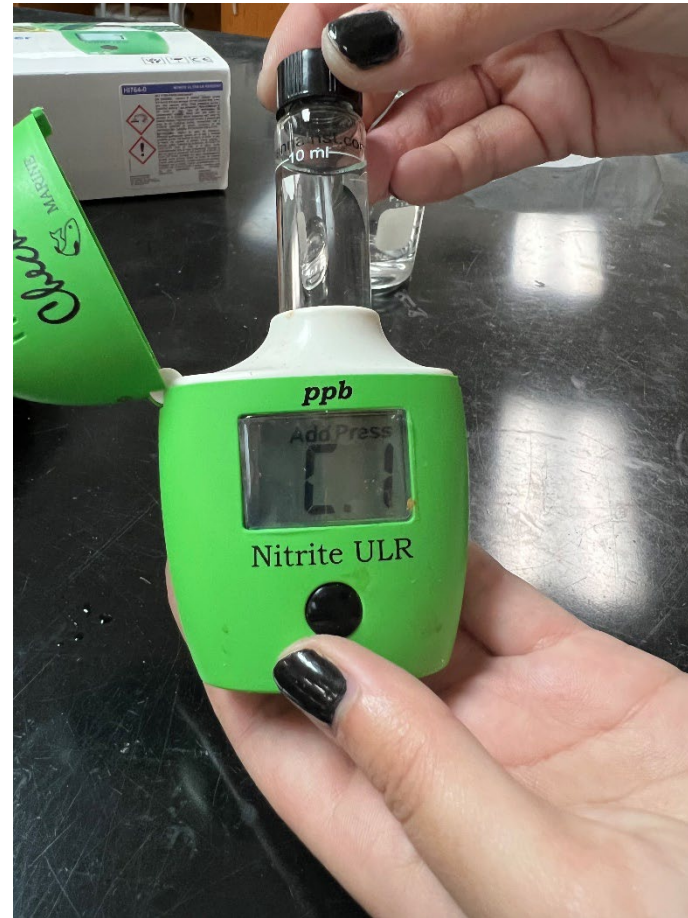
Step 2: Fill the cuvette with **10ml** of sample and replace the cap



Step 3: **Wipe off the cuvette.** Make sure there are no droplets on the outside of the cuvette



Step 4: Place the cuvette into the checker and close cap



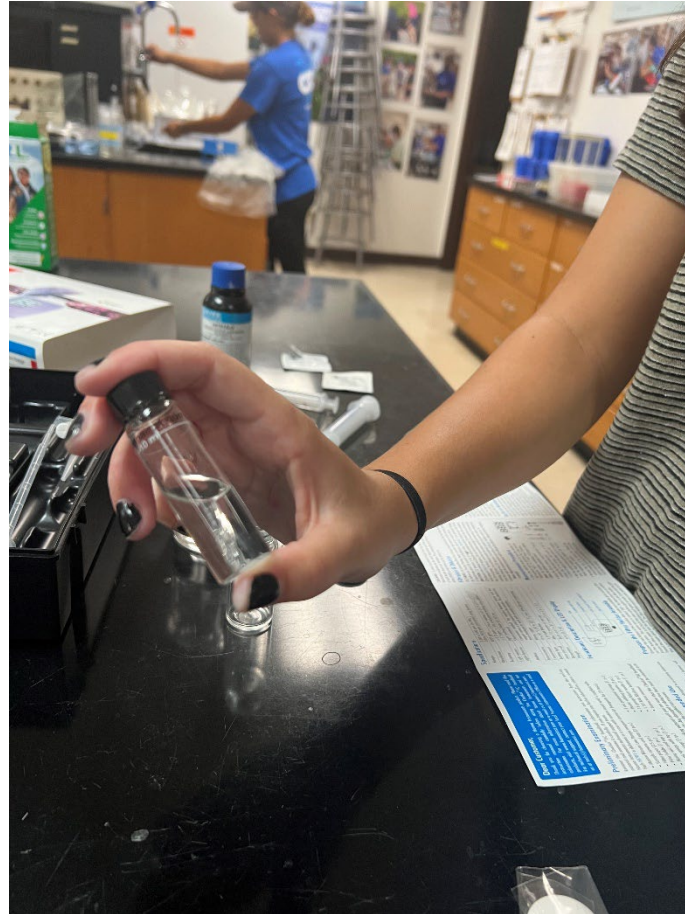
Step 5: Press the On/Off button. When the display shows “ADD”, C2”, with “Press” blinking, the checker is zero



Step 6: Remove the cuvette, unscrew the cap and add the content of one packet of **HI764-0 Nitrite Ultra Low Range reagent**



Step 7: Replace cap and **shake gently** for about 15 seconds





Step 8: Insert the cuvette back into the checker and close the cap



Step 9: **Press** and **HOLD** (for about 3 seconds) the on/off button. Release when the display shows a countdown. This countdown represents the checker reading the sample.

Nitrite nitrogen is a product of the oxidation of ammonia nitrogen. It is found in wastewater treatment plants and water distribution systems. While nitrite nitrogen is not as toxic as ammonia nitrogen, it is harmful to aquatic species.

Measured in mg/l

Percentile	Blackwater	Coastal	Estuary
10	0.05	0.00	0.00
20	0.05	0.00	0.00
30	0.05	0.00	0.00
40	0.05	0.00	0.01
50	0.05	0.00	0.01
60	0.05	0.00	0.01
70	0.05	0.00	0.02
80	0.05	0.01	0.02
90	0.05	0.01	0.02

1mg/l = 1000ug/l = 1000ppb

A reading of 0.01mg/l or 10 ppb is a median reading in a Florida estuary.



# Water Quality Test Error Code Cheat Sheet

Error Code	Meaning
L.Hi	Too much light hitting detector, check preparation of zero cuvette.
L.Lo	Not enough light hitting detector, check preparation of zero cuvette.
Inu	Sample and zero cuvettes inverted. Swap and repeat measurements.
0 (blinking)	Under range (sample absorbed less light than zero).
200 (blinking)	Over range (Measured value outside limits of checker device). Make sure there is no debris in sample and dilute/repeat.
bAt	Replace battery.
bAd	Replace battery.

# Indian River Lagoon Water Quality Parameter Cheat Sheet

Water Quality Test	Average Range in IRL	Unit
Temperature	75-85	Degrees Fahrenheit
PH	6-8	No unit
Salinity	15-25	PPT (parts per thousand)
Nitrates	0.01-0.10	PPM (parts per million)
Nitrites	0.00-0.02	PPB (parts per billion)
Phosphates	0.02-0.22	PPM (parts per million)
Alkalinity	66-133	PPM (parts per million)
Turbidity	0-100 JTU 0-450 cm	JTU (Jackson Turbidity Unit) if using LaMotte kit or cm (centimeters) if using secchi disk- probes may have different units
DO	0-5	PPM (parts per million)