

**Carbon Dioxide**  
**Code : XL-223**  
**Range : 0.5 – 10 ppm as CO<sub>2</sub>**

**AQUA-XL**  
Water Analysing Kits

**Directions for use :**

1. Take 25 ml of a sample to be tested in the Test jar.
2. Add 2 drops of Reagent CO-1. Mix contents well. **If the sample turns PINK, Carbon Dioxide is ABSENT and if the sample remains COLOURLESS, then Carbon Dioxide is PRESENT.**
3. Now add Reagent CO-2L drop wise, counting the number of drops while mixing until **the PINK colour obtain persists for 1 minute**. Note down the Total Number of drops of CO-2L required (say X drops).
4. Discard this sample; rinse the test jar 2/3 times with water sample.
5. Again take 25ml of fresh water sample and add 2 drops of CO-1 (**DO NOT MIX**).
6. Now drop wise add total number of drops of CO-2L required (**X drops**) in STEP 3, without shaking the test jar.
7. Now mix the contents well by swirling. At this stage if **PINK** colour disappears on swirling, then add more drops of CO-2L (restart drop counting from 1) to get PINK colour, which should persists for at least 30 seconds (say **Y drops**).

*p.t.o.*

**Carbon Dioxide**  
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**Range : 0.5 – 10 ppm as CO<sub>2</sub>**

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Continued....

**Calculations :**

Carbon Dioxide ppm as CO<sub>2</sub> = 0.5 x (X+Y) drops of CO-2L.

Note : Sample must be analysed immediately after collection.

**Carbon Dioxide**

Code : XL-213

Range : 2 - 40 & 5 - 100 ppm as CO<sub>2</sub>**AQUA-XL**  
Water Analysing Kits

Directions for use :

1. Take 25 ml of a sample to be tested in the Test jar.
2. Add 2 drops of Reagent CO-1. Mix contents well. **If the sample turns PINK, Carbon Dioxide is ABSENT and if the sample remains COLOURLESS, then Carbon Dioxide is PRESENT.**
3. Now add Reagent CO-2 drop wise, counting the number of drops while mixing until **the PINK colour obtain persists for 1 minute**. Note down the Total Number of drops of CO-2 required (say X drops).
4. Discard this sample; rinse the test jar 2/3 times with water sample.
5. Again take 25ml of fresh water sample and add 2 drops of CO-1 (**DO NOT MIX**).
6. Now drop wise add total number of drops of CO-2 required (**X drops**) in STEP 3, without shaking the test jar.
7. Now mix the contents well by swirling. At this stage if **PINK** colour disappears on swirling, then add more drops of CO-2 (restart drop counting from 1) to get PINK colour, which should persists for at least 30 seconds (**say Y drops**).

P.T.O.

**Carbon Dioxide**

Code : XL-213

Range : 2 - 40 & 5 - 100 ppm as CO<sub>2</sub>**AQUA-XL**  
Water Analysing Kits

- # If the expected ppm level of Carbon Dioxide is more than 40 ppm then take 10 ml sample instead of 25 ml.

**Calculations :**

$$\begin{aligned}\text{Carbon Dioxide ppm as CO}_2 &= 2 \times (X+Y) \text{ drops of CO-2.} \\ &\quad (\text{for sample size of 25 ml}) \\ &= 5 \times (X+Y) \text{ drops of CO-2.} \\ &\quad (\text{for sample size of 10 ml})\end{aligned}$$

Note : Sample must be analysed immediately after collection.

**Carbon Dioxide**  
**Code : XL-203**  
**Range : 5 - 100 & 25 - 500 ppm as CO<sub>2</sub>**

**AQUA-XL**  
Water Analysing Kits

**Directions for use :**

1. Take 10 ml of a sample to be tested in the Test jar.
2. Add 2 drops of Reagent CO-1. Mix contents well. **If the sample turns PINK, Carbon Dioxide is ABSENT and if the sample remains COLOURLESS, then Carbon Dioxide is PRESENT.**
3. Now add Reagent CO-2 drop wise, counting the number of drops while mixing until **the PINK colour obtain persists for 1 minute**. Note down the Total Number of drops of CO-2 required (say X drops).
4. Discard this sample; rinse the test jar 2/3 times with water sample.
5. Again take 10 ml of fresh water sample and add 2 drops of CO-1 (**DO NOT MIX**).
6. Now drop wise add total number of drops of CO-2 required (**X drops**) in STEP 3, without shaking the test jar.
7. Now mix the contents well by swirling. At this stage if **PINK** colour disappears on swirling, then add more drops of CO-2 (restart drop counting from 1) to get PINK colour, which should persists for at least 30 seconds (**say Y drops**).

*p.t.o.*

**Carbon Dioxide**  
**Code : XL-203**  
**Range : 5 - 100 & 25 - 500 ppm as CO<sub>2</sub>**

**AQUA-XL**  
Water Analysing Kits

- # If the expected ppm level of Carbon Dioxide is more than 100 ppm then use CO-3 instead of CO-2.

**Calculations :**

$$\begin{aligned}\text{Carbon Dioxide ppm as CO}_2 &= 5 \times (X+Y) \text{ drops of CO-2.} \\ &= 25 \times (X+Y) \text{ drops of CO-3.}\end{aligned}$$

Note : Sample must be analysed immediately after collection and should not be preserved.