

# Low Range Chlorine Dioxide

Part Number 481028

## Method A Test Procedure:

Collect a fresh **20ml** sample of water (be sure to collect the sample just prior to performing the test as Chlorine Dioxide tends to volatilize out of the sample quickly). Dip one 4mm Glycine test strip into the sample for **20 seconds** with a constant, gentle back-and-forth motion. Remove the strip. Remove one test strip and dip it into the sample for **20 seconds** with a constant, gentle back-and-forth motion. Remove the strip and shake once, briskly, to remove excess water. **Wait 30 seconds** for the test strip color to develop, then immediately compare to the enclosed Easy-Read™ color chart – **Method A** – to determine Chlorine Dioxide level.

## Method B Test Procedure:

Collect a fresh **20ml** sample of water (be sure to collect the sample just prior to performing the test as Chlorine Dioxide tends to volatilize out of the sample quickly). Dip one 4mm Glycine test strip into the sample for **20 seconds** with a constant, gentle back-and-forth motion. Remove one test strip and dip it into the sample for **40 seconds** with a constant, gentle back-and-forth motion. Remove the strip and shake once, briskly, to remove excess water. **Wait 30 seconds** for the test strip color to stabilize, then immediately compare to the enclosed Easy-Read™ color chart – **Method B** – to determine Chlorine Dioxide level.

### Method A Test Procedure:



Step 1

WAIT

00:00:30

Step 2

### Method B Test Procedure:



Step 1

WAIT

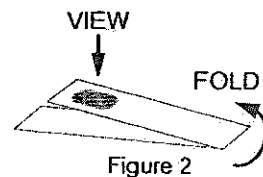
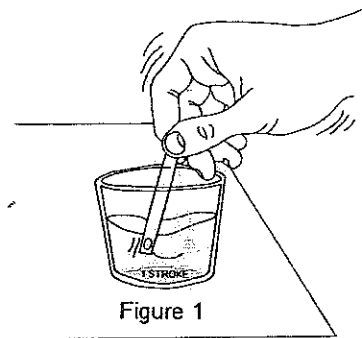
00:00:30

Step 2

## FOR BEST RESULTS:

1. Move the strip at a gentle, constant rate of approximately two (2) strokes per second (see Figure 1).
2. Use a sample size of 20 mls. For Method A, see the Temperature Chart (right) for dip time / temperature correlation. For Method B, sample temperature should be between 55° to 82°F (13° to 28°C).
3. Use a container that allows a stroke distance of approximately 1 to 2 inches (2.5 to 5.0 cm) (See Figure 1).
4. For Method A, fold the white plastic handle of the strip under the aperture so that it provides a consistent viewing background (see Figure 2). Place the strip between the Method A color blocks and view the color through the indicator window (aperture). Match with the closest color block.
5. For Method B, use the Easy-Read™ Method B colors. Fold the test strip in half and position the reacted test strip pad behind the punched holes (view center of test strip pad through the hole in the color chart) to confirm precise color match and Chlorine Dioxide level.

°C / °F	Dip Time	°C / °F	Dip Time
0 / 32	80	22 / 72	22
1 / 34	75	23 / 73	21
2 / 36	71	24 / 75	20
3 / 37	68	25 / 77	19
4 / 39	65	26 / 79	18
5 / 41	61	27 / 81	18
6 / 43	58	28 / 82	17
7 / 45	56	29 / 84	17
8 / 46	53	30 / 86	16
9 / 48	50	31 / 88	16
10 / 50	47	32 / 90	15
11 / 52	45	33 / 91	15
12 / 54	43	34 / 93	14
13 / 55	41	35 / 95	14
14 / 57	39	36 / 97	14
15 / 59	37	37 / 99	13
16 / 60	34	38 / 100	13
17 / 62	32	39 / 102	13
18 / 64	30	40 / 104	13
19 / 66	28		
20 / 68	26		
21 / 70	24		



**NOTE:** To remove Free Chlorine interference, add glycine to sample before running the test (0.5gm per test is typically enough). For Technical Assistance Call: 1-803-329-0162 or email [its@sensafe.com](mailto:its@sensafe.com). R0211-LRC102 ©2011