HI 96738

Chlorine Dioxide Portable Photometer

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- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

Chlorine dioxide is used primarily as a disinfectant in drinking water and also in various industrial processes. In drinking water applications, it is gaining popularity over chlorine, considering that it does not generate trihalomethanes when reacting with organic compounds. In industrial applications, it is used as a bleaching agent in such applications as pulp and paper.

The HI 96738 meter measures the chlorine dioxide content in water samples in the 0.00 to 2.00 mg/L range. This meter uses an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

Chlorine Dioxide is a highly effective, eco-friendly microbiocide that carries a number of important regulatory approvals from several international organisations including the US EPA, FDA and UK Government for many of its uses.

Chlorine and bromine react rapidly with microbiological species and chemicals in water. This reactivity is both their strength and weakness. Since chemical reactions are usually the first to take place, only the small residual of the product remaining after the chemical reaction is completed is available for microbiological control.

Chlorine dioxide is a very safe and potent biocide. It is effective over a wide pH range in both hard and soft water and does not react with most other water treatment chemicals.

Order Information:
HI 96738 is supplied with sample cuvettes with caps (2), 9V battery and instruction manual.
HI 96738C is supplied with HI 96738 photometer, sample cuvettes with caps (2 ea.), 9V battery, scissors, cloth for wiping cuvettes, instrument quality certificate, instruction manual and rigid carrying case.

Specifications | Accessories | Downloads

Range	0.00 to 2.00 mg/L
Resolution	0.01 mg/L
Accuracy	±0.10 mg/L ±5% of reading @ 25°C
Light Source	Tungsten lamp

Light Detector	Silicon photocell with narrow band interference filter @ 575 nm
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	9V battery
Auto-off	After 10 minutes of non-use in measurement mode; after 1 hour of non-use in calibration mode; with last reading reminder.
Dimensions	192 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)
Method	Chlorophenol Red method