



Cole-Parmer®

CHLORINE DIOXIDE AND FREE CHLORINE SENSORS

ECONOMICAL MEASUREMENT SYSTEM FOR SAFER DRINKING WATER

New



- Amperometric sensor with 4 to 20 mA output
- Multiple ranges available for greater accuracy
- Flow cell produces vortex for consistent results

These sensors provide real-time, on-line measurements provided as a 4 to 20 mA output for user flexibility on the interface instrumentation.

Sensors have automatic temperature compensation (ATC) and signal conditioner for accurate results over the entire measurement range.

Purchase a complete system (sensor and flow cell), or purchase only sensors to use as replacements for existing installations.



**FREE TECHNICAL
APPLICATIONS ASSISTANCE!**

In the U.S.

625 E. Bunker Court
Vernon Hills, IL 60061
Call toll-free 800-323-4340
Phone: 847-549-7600
Fax: 847-247-2929
www.coleparmer.com

In Canada

Call toll-free 800-363-5900
Phone: 514-355-6100
Fax: 514-355-7119
www.coleparmer.ca

In the United Kingdom

Free phone: 0500-345-300
Phone: 020-8574-7556
Fax: 020-8574-7543
www.coleparmer.co.uk

In India

Phone: +91-22-6139-4444
Fax: +91-22-6139-4422
www.coleparmer.in

International customers

Call 847-549-7600 to reach our
International Sales Department
or contact your local dealer.

APPLICATIONS

Water treatment disinfection—these systems are ideal for measurement of chemicals during the treatment process and for verification of proper amounts of residual chlorine dioxide or free chlorine.

Install in existing loop-powered systems or order panel meter to power sensor.

PERFORMANCE SPECIFICATIONS

- Chlorine dioxide sensors available to measure 0 to 2 or 0 to 10 ppm—sensors have some cross sensitivity with ozone
- Free chlorine sensors available to measure 0 to 2, 0 to 5, or 0 to 10 ppm—sensors have some cross sensitivity with ozone, bromine, iodine, chlorine dioxide, chloramines, and bromamine
- Service life exceeds one year in most applications; replacement parts reduce cost of ownership.
- Sensor cable length is 10 feet



Description	Chlorine dioxide	Chlorine dioxide	Free chlorine	Free chlorine	Free chlorine
Catalog number	ML-99672-00	ML-99672-04	ML-99672-06	ML-99672-07	ML-99672-08
Range	0 to 2 ppm	0 to 10 ppm	0 to 2 ppm	0 to 5 ppm	0 to 10 ppm
Resolution	0.02 ppm	0.1 ppm	0.02 ppm	0.05 ppm	0.1 ppm
Accuracy	±5% full-scale				
Temperature compensation	Automatic				
Maximum pressure	14.7 psi (1 bar)				
Flow range	8 to 26 GPH (30 to 98 LPH), ideal 11 to 16 GPH (40 to 60 LPH)				
Output	4 to 20 mA				
Power	16 to 24 VDC, 35 mA minimum				
Housing	PVC				
Dimensions	3 ⁵ / ₁₆ "W x 11"H x 5 ¹ / ₈ "D				

Accessories

[ML-94785-12](#) Panel meter; 115 V
[ML-99672-05](#) Flow cell, 3/4" NPT(F) inlet and outlet
[ML-99672-10](#) Replacement sensor fill solution; chlorine dioxide, 60 mL

[ML-99672-12](#) Replacement membrane cap; chlorine dioxide and free chlorine
[ML-99672-14](#) Replacement sensor fill solution; free chlorine, 60 mL