THE MP-TOTAL | MULTI-PARAMETER CHLORINE SENSOR

Total Chlorine.
Free Chlorine.
Monochloramine.
One sensor.

One reagentless sensor for water treatment plants, distribution systems, and commercial building water safety. No one else in the world can do this.



3-in-1	30 ppb	±5%	6-12 mo	NSF-61
FREE | MONO | TOTAL	DETECTION LIMIT	ACCURACY	CAL STABILITY	EPA 334.0 | CE

Why operators are switching to MP-Total

01

Free + Mono + Total

Three chlorine values from a single sensor, every cycle. No other sensor in the world can do this.

02

No Reagents. No Membranes.

Reagentless three-electrode measurement eliminates consumable costs and the risk of running dry.

03

No Waste Stream

Save up to 70,000 gallons of non-revenue water per year. No sample line, no drain connection.

04

Self-Cleaning

SensiCLENE captive beads continuously polish electrodes and pH glass for months of unattended operation.

05

Flow Independent

Installs directly in a tank, pipe, wet tap, or side-stream flow cell. Unaffected by flow or pressure.

06

NSF-61 & EPA 334.0

NSF-61/372 certified for drinking water contact. EPA Method 334.0 compliant for reporting chlorine residuals.



Wet Tap
MP-T-H2WT-P



Immersion / Side Stream
MP-T-H2LF-P



PVC Tee
MP-T-H2MF-P



Panel Mount Kit
MKIT-1002

Technical Specifications

Free Chlorine

Measurement Method	Reagentless, 3-electrode
Free Chlorine Range	0 - 10 ppm
Limit of Detection	30 ppb (0.03 ppm)
Resolution	0.001 ppm (1 ppb)
Accuracy	±5% or ±0.06 ppm, whichever is greater [1]
Response Time (T90)	360 sec
Sample Temperature Range	0 - 45°C (32 - 113°F)
Temperature Accuracy	±1°C max, -10 to +85°C
Conductivity Accuracy	±5% (100 - 10,000 uS)
Calibration Stability	6-12 months typical
Turbidity Tolerance	Up to 3,000 ppm

pH Operating Range	6.5 - 10.0 (Mono only)
Conductivity Range	50 - 15,000 uS
Pressure Rating	-0.7 - 10 bar (145 psi)
Water Temp Operating	1 - 45°C (34 - 113°F)
Storage Temp	-20 - 40°C (-4 - 104°F)
Max Flow Velocity	0 - 4 m/s
Max Immersion Depth	130 ft+ / 145 psi
Input Power	12 - 24 VDC
Cable / Connector	CAT6 underwater, M12
Communication	Modbus RTU
Dimensions / Warranty	1.75" x 12" / 12 months

Monochloramine & Total Chlorine

Monochloramine Range	0 - 10 ppm
Total Chlorine Range	0 - 10 ppm
Limit of Detection	30 ppb (0.03 ppm)
Resolution	0.001 ppm (1 ppb)

Accuracy (Mono & Total)	±5% or ±0.06 ppm, greater [1]
Response Time (T90)	360 sec
Sample Temperature Range	0 - 45°C (32 - 113°F)
Measurement Interval	120 sec (60s Free + 60s Mono)

[1] Accuracy is based on comparison to a recognized chlorine reference method (DPD) at the sensor installation point after calibration/verification. Field performance may be affected by sample matrix, calibration method, pH, temperature, interfering oxidants/reductants, fouling, and installation conditions.

MP-Total Sensor Models

MP-T-H2WT-P	Wet Tap Inline (use with RMR-WT remover kit)
MP-T-H2LF-P	Side Stream / Immersion (order with FC-02 Flow Cell)
MP-T-H2MF-P	PVC Sensor Inline (requires PT-01 adapter)

Accessories & Options

D20-H
D20 Controller 120/240V

PT-01
PVC Tee Adapter (tee not included)

D20-OTA-H
D20 Cellular Option

FC-02
Flow Cell Kit (Side Stream)

RMR-WT
Wet Tap Remover Kit (2" Corp Stop)

RKIT-1101
Sensor Remover Tool (dual hex driver)

SensiCLENE Self-Cleaning Technology

The MP-Total is the only sensor in the world that delivers free chlorine, monochloramine, and total chlorine from a single reagentless probe. EPA Method 334.0 compliant for reporting chlorine residual measurements.

Captive SensiCLENE beads continuously polish the electrode surfaces, enabling 6-12 months of unattended, maintenance-free operation in tanks, pipes, or side-stream cells.



NSF-61/372 Certified | EPA Method 334.0 Compliant | CE Compliant | Factory Calibrated