HALOGEN SYSTEMS

MULTIPARAMETER SENSOR · PIPE INSTALLED VERSION

The MP5-A. Installed in the pipe. Zero reagents.

Five parameters and amperometric chlorine from a single sensor glued directly into a 2" tee — no membranes, no reagents, no waste stream, unaffected by flow or pressure. EPA Method 334.0 compliant for reporting chlorine residual. NSF-61 certified.



30 ppb	±5%	6 mo
DETECTION LIMIT	ACCURACY (DPD)	CAL STABILITY

Why operators put the MP5-A in the main

01
No Reagents. No Membranes.
Bare-electrode amperometric measurement eliminates consumable costs and the risk of running dry.

02
Direct Pipe Installation
Glues into a standard 2" tee with the PT-01 CPVC adapter. No sample panel, pumps, or tubing.

03
Flow Independent
Integrated micro-pump delivers accurate readings at any line velocity from 0–4 m/s — even zero flow.

04
No Waste Stream
No drain required. Saves up to 70,000 gallons of non-revenue water per sensor, per year.

05
Self-Cleaning
SensiCLENE captive beads continuously polish electrodes and pH glass for 6+ months of unattended operation.

06
NSF-61 & EPA 334.0
Certified for direct drinking water contact. Compliant for reporting chlorine residual measurements.

The Direct-Pipe Installation Package



D-H1MF-P
Pipe Mounting Sensor



PT-01
Pipe Mounting Adapter, CPVC (glue into 2" tee)

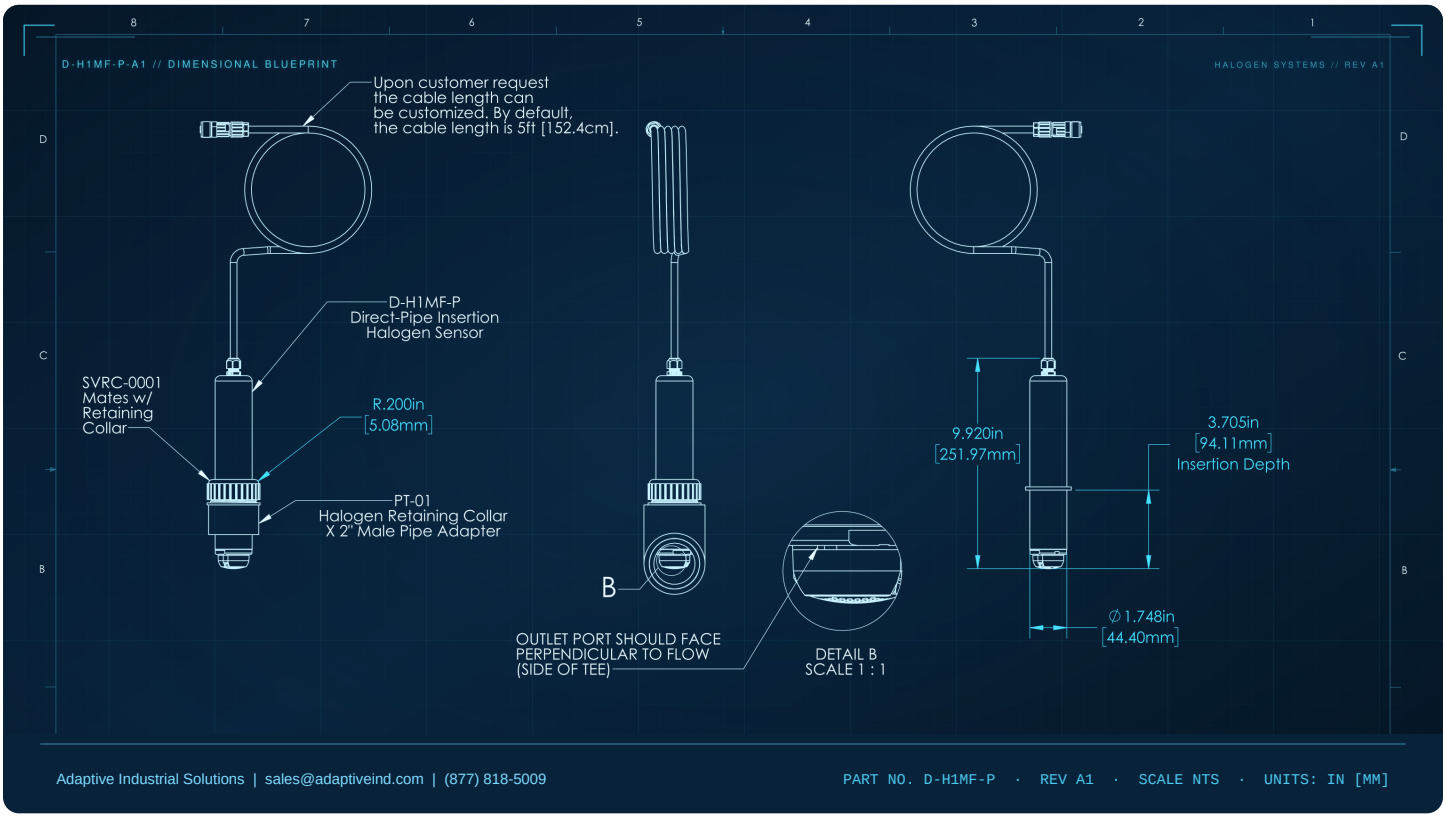


CABL-1001
Cable Adder — 5' standard; 10', 20', or custom

Technical Specifications

Measurement Method	Bare electrode amperometric
Chlorine Range	0 - 20 ppm
Limit of Detection	30 ppb (0.03 ppm)
Limit of Quantitation	90 ppb (0.09 ppm)
Resolution	0.001 ppm (1 ppb)
Accuracy, pH 6.5-8.75	±5% of cal value (DPD)
Accuracy, 15-35°C	±4% of cal value (DPD)
Accuracy, 200-10,000 uS	±4% of cal value (DPD)
Accuracy, flow 0-4 m/s	±10% under flow changes
Turbidity Tolerance	No effect up to 3000 ppm
Response Time (T90)	112 seconds
Calibration Stability	6 months typical
Measurement Interval	60 seconds
pH Range (chlorine)	6.5 - 8.75
Conductivity Range	200 - 10,000 uS
Sample Compensation	Automatic

Pressure Limit	10 bar (145 psi)
Sample Temperature	5 - 55°C
Operating Temp	5 - 50°C (41 - 122°F)
Storage Temp	-20 - 60°C (-4 - 140°F)
Max Flow Velocity	0 - 4 m/s
Max Immersion Depth	30 ft or greater
Cleaning Method	Continuous mechanical + EC
Factory Calibration	Yes
Power	24VDC ±10% @ 50mA, 200mA start
Data Transfer	Via controller or PLC
Cable	5 ft std (up to 100 ft)
Cable Connection	M12 4-pin
Sensor Dimensions	1.75" x 12" (45 x 305 mm)
Weight	400 g
Warranty	12 months
Compliance	EPA 334.0 reporting



NSF-61/372 Certified | EPA Method 334.0 Compliant | CE Compliant (CISPR 11 / EN 61326-1) | Factory Calibrated