

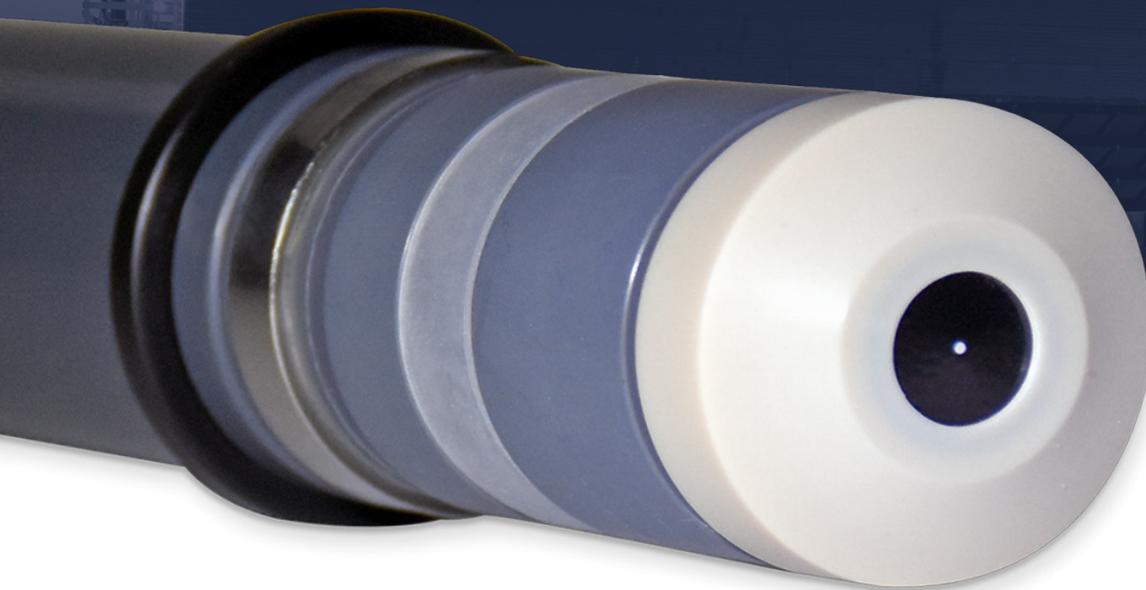
LOW MAINTENANCE

FAST RESPONSE

NO WASTE

AMPEROMETRIC DISINFECTION SENSORS

No costly reagents or tubing to replace
Continuous measurement technique
Sample can be returned to the process



Walchem's
Amperometric Disinfection Sensors offer a cost-effective and reliable solution to your disinfection control requirements. The sensors continuously and directly measure the chemical concentration, without the use of reagents.

In addition to our line of chlorine, bromine and stabilized bromine sensors, we offer sensors to handle a wide variety of oxidizers.

W A L C H E M

IWAKI America Inc.

Walchem integrates its advanced sensing, instrumentation, fluid handling and communications technologies to deliver reliable and innovative solutions to the global water treatment market. Our in-house engineering is driven by quality, technology and innovation.

For more information on the entire Walchem product line, visit walchem.com

Sensor Type	Chlorine Dioxide		Peracetic Acid			Hydrogen Peroxide			Ozone		Chlorite
Part Number	104420	104421	104518	104519	191512	103985	103987	103989	104473	104474	104217
Measurement Specifications											
Range (ppm)	0-2	0-20	0-200	0-2000	0-20000	0-200	0-2000	0-20000	0-2	0-20	0-2
Resolution (ppm)	0.001	0.1	0.1	1	10	0.1	1	10	0.001	0.01	0.001
Calibration	Weekly		Weekly, Titration w/ Thiosulfate			Weekly			Weekly, DPD-4		Weekly
Interferences	Ozone (2500%)		Ozone (2500%), ClO ₂ (100%), H ₂ O ₂ (0.5%)			Cl ₂ , PAA and O ₃ must not be present			Cl ₂ (1.5%), ClO ₂ (6%)		Mn ²⁺ , Fe ²⁺ , Nitrate
Sample Flow Rate	30 to 100 liters/hour (0.13 to 0.44 gal/min)										
Sample pH	1-12		1-6			2-11			4-9		6-9
Conductivity Range	10 µS/cm minimum										
Response Time	1.5 min		3 min			8 min			8 min		1 min
Conditioning Time	60 min		3 hours			5 hours			60 min		24 hours
Electrical Specifications											
Power Requirements	± 5 VDC, 10 mA maximum										
Signal	0 to -2000 mV DC										
Maximum Cable Length	30 meters (100 feet)										
Extension Cable	2 twisted pair, 22 AWG, shielded, 35 pF/ft. (Walchem 100084, Belden 8723)										
Mechanical Specifications											
Pressure	1 bar (15 psi)		1 bar (15 psi)			1 bar (15 psi)			1 bar (15 psi)		5 bar (73 psi)
Temperature	0-50 °C (32-122 °F)		0-45 °C (32-113 °F)			0-60 °C (32-140 °F)			0-45 °C (32-113 °F)		0-40 °C (32-104 °F)
Sensor Materials	PVC, stainless steel		PVC, stainless steel			PVC, stainless steel			PVC, stainless steel		Microporous hydrophilic membrane, PVC, PEEK, stainless steel
Flow manifold materials	PVC, Isoplast, FKM, acrylic, GFRPP, 316SS										
Flow cell inlet	¼" NPTF										
Flow cell outlet	¾" NPTF										
Storage											
Sensor	Unlimited if stored dry without electrolyte at 5-40 °C (41-104 °F)										
Electrolyte	In original bottle protected from sunlight at 5 to 35°C, 1 year or until specified expiration date										
Membrane cap	Unlimited if unused in original packaging at 5-40 °C (41-104 °F)										

ORDERING INFORMATION

For W100, W600, W900 and Intuition Series Controllers

Choose one sensor:

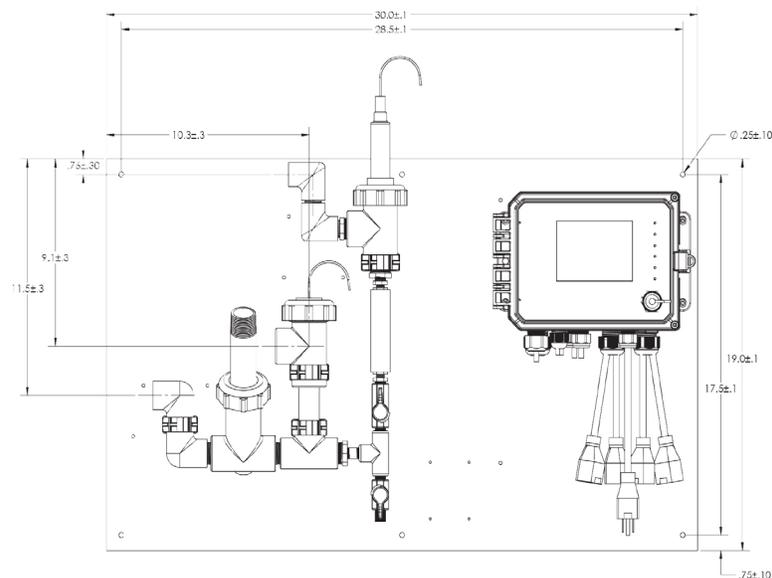
Refer to the specification chart for part numbers

Choose one flow cell:

W600-DS-PNNNN Flow switch manifold on panel, 3' cable
or W600-DS-INNNN Flow cell, 20' cable



Scan the QR code with your smartphone camera to access more detailed information!



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