

LOW MAINTENANCE

FAST RESPONSE

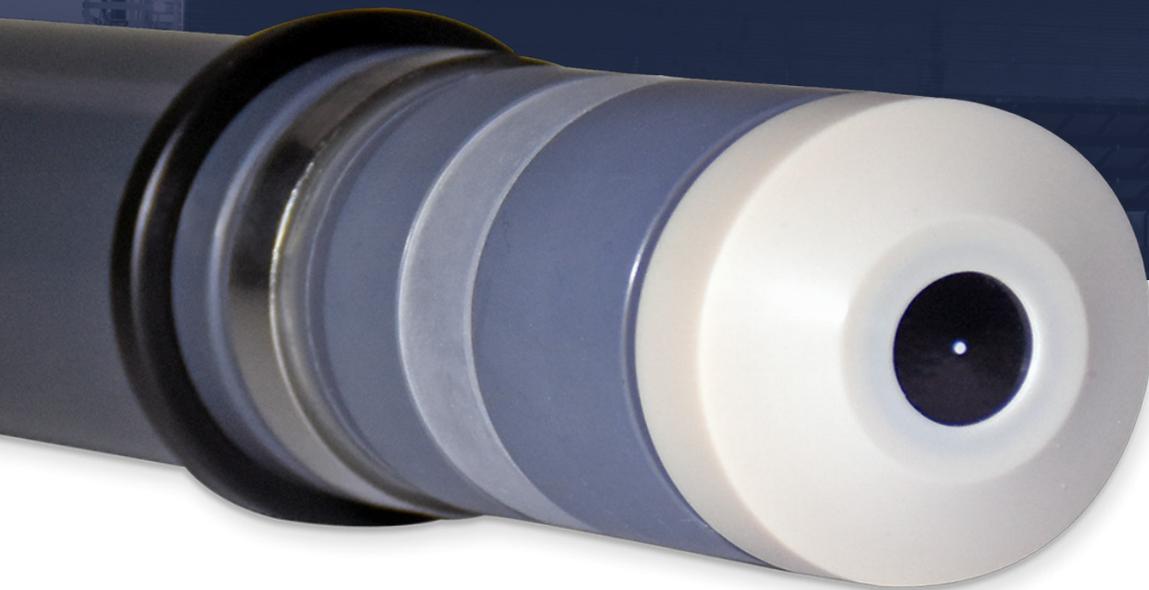
NO WASTE

# STABILIZED BROMINE SENSOR

No costly reagents or tubing to replace

Continuous measurement technique

Sample can be returned to the process under pressure



Walchem's

**Amperometric Stabilized Bromine Sensors** offer a cost-effective and reliable solution to your control requirements. The sensors continuously and directly measure the chemical concentration, without the use of reagents.

Where ORP sensors and other amperometric sensors cannot reliably and repeatably measure bromine that is stabilized with sulfamate, **this sensor can!**

**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](http://walchem.com)

	104318	104319
<b>Measurement Specifications</b>		
Range (Nominal)	0-2 ppm	0-20 ppm
Resolution	0.001 ppm	0.01 ppm
Calibration	Weekly, as determined by DPD-4 method	
Interferences	Chlorine and Chlorine Dioxide are also measured	
Flow rate of sample	15-50 liter/hour (4-13 gallon/hour)	
pH of sample	6.5 – 9.5	
Response time	2 minutes	
Conditioning time	2 hours	
<b>Electrical Specifications</b>		
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)	
<b>Mechanical Specifications</b>		
Operating Pressure	0-6 bar (0-90 psi)	
Operating Temperature	0-45 °C (32-113 °F)	
Sensor materials	PVC, PEEK, Stainless Steel, Microporous hydrophilic membrane	
Flow manifold materials	PVC, Isoplast, FKM, acrylic, GFRPP, 316 SS	
Flow cell inlet	¼" NPTF	
Flow cell outlet	¾" NPTF	
<b>Storage</b>		
Sensor	Unlimited if stored dry without electrolyte at 5-40 °C (41-104 °F)	
Electrolyte	One year in original bottle, protected from sunlight at 5-35 °C (41-95 °F)	
Membrane Cap	Unlimited if unused in original packaging at 5-40 °C (41-104 °F) Used membrane caps cannot be stored!	

## ORDERING INFORMATION

For W100, W600 and W900 Series Controllers

Choose one sensor:

104318 Sensor, stabilized bromine, 0-2 ppm  
or 104319 Sensor, stabilized bromine, 0-20 ppm

Choose one flow cell:

W600-DS-PN Flow switch manifold on panel, 3' cable  
or W600-DS-FN Flow cell, 20' cable



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

