**CWSentry3G™ Chemical Detection System:**
The CWSentry3G is a compact, wall mounted sensor designed to detect the presence of Chemical Warfare Agents (CWA) or Toxic Industrial Chemicals (TICs). The CWSentry3G is a fully automatic detection sensor designed for fixed site installations, HVAC systems, office buildings, subways and other similar targets. The CWSentry3G™ CW-300i detection system is designed to integrate with Secureteq FUSION, an enterprise wide threat sensor monitoring & management system with encrypted IP Ethernet connectivity.

The system can be configured to detect a wide range of chemical agents including TABUN, SARIN, SOMAN, Cyclosarin, Mustard Gas and TIC’s such as Chlorine.

**Designed to Network to integrate with Secureteq FUSION™ Threat Sensor Monitoring Platform**

**Facilities or Infrastructure Chemical Detection**

**Early Detection and Identification of Chemical Warfare Agents and Toxic Industrial Chemicals**

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Secureteq Corporation
One Connector Road
Andover, Massachusetts 01810
Tel: 978-475-8342 Fax: 978-783-0019
www.secureteq.com
CWSentry3G™ CWS-300i Technical Specifications (typical)

**General Description:**
The CWS-300i is a rapid response chemical threat detection sensors designed to react to, and identify chemical warfare agents and Toxic Industrial Chemicals. The system offers programmable alarm levels. The CWSentry3G CWS-300i is designed to seamlessly integrate with Secureteq FUSION Threat Sensor Monitoring Platform.

**Electrical Specifications:**
- **Detector Type:**
  - SAW - Surface Acoustic Wave micro sensor array (cw agents)
  - Electro-chemical Cell Array (TIC)
- **Chemical Agents Detected:**
  - Nerve Agents (G) – Meets the ECt50 mild exposure dose level
  - Blister Agents (H) – Meets the ECt50 mild exposure dose level*
  - Hydrogen Cyanide – Blood Agent – "BLoD" (AC) – 5.0 ppm
  - Phosgene – Choke Agent – "CHOK" (CG) – 0.3 ppm
  - Hydride – "HYdR" – 0.5 ppm
  - Halogen – "HALO" – 10.0 ppm
- **Detection Response Time:**
  - SAW – 5 Seconds
  - Electro-chemical Sensor – 30 seconds
- **Local Alarm Output:**
  - Dry contact output, NC/NO
- **Local Trouble Output:**
  - Dry contact output, NC/NO
- **Local Tamper Output:**
  - Dry contact output, NC
- **Data Communications:**
  - 256bit AES Encrypted IP Ethernet NIC (Threat Type, Alarm, Trouble, Levels)
- **Operating Power:**
  - 110VAC, 60 Watts

**Physical Specifications:**
- **Construction:**
  - NEMA4 enclosure w/ Tamper screws, gray
- **Temperature Range:**
  - -4° F(-20° C) to 122° F(50° C)
  - May be certified for operation from -40° F(-40°C) to 150° F(65°C)
- **Size:**
  - 24.75 x 19.5 x 9.5 inches (62.9 x 49.5 x 24.2 cm)
- **Weight:**
  - 40 lbs (18.2kg)

**Ordering Information:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>CWS-300i-1200030</td>
<td>Detects Nerve, Blister Agents and Toxic Industrial Chemicals (TICs)</td>
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<tr>
<td></td>
<td>(Hydrogen Cyanide, Phosgene, Halogen and Hydride Gases)</td>
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*All specifications are typical and subject to change without notice.*

CWSentry3G is manufactured by MSA with enhancements by Secureteq Corporation.