Attacks involving Toxic Industrial Chemicals (TICs) or Chemical Warfare Agents (CWAs) present a serious threat to military, government and public spaces.

Upon release, in gaseous, vapor or aerosol form, a cloud of toxic chemical may travel downwind for several kilometers without significant dilution while leaving a trail of gross contamination and poisoned population and military personnel.

For large facilities, a system consisting of ChemSight™ detectors can protect an entire perimeter by forming an effective trip-wire that triggers an instantaneous response when a toxic release crosses it.

FAST, ACCURATE RESPONSE
Protection against numerous, unspecified threats requires multi-chemical detection capabilities. Most commercially available multi-chemical sensors must draw air to analyze it requiring pumps, valves and other consumables that translate into a higher cost of ownership. They provide only localized monitoring that is unsuitable for protecting large facilities or open spaces. By contrast, ChemSight™ offers long line of sight, multi-chemical detection capabilities to provide significant security and economical advantages over competitors.
## CHEMICALS DETECTED

**Types:** Wide range of Toxic Industrial Chemicals (TICs), Chemical Warfare Agents (CWAs) and Toxic Industrial Materials (TIMs)

## SOFTWARE

**General:** SiteProtector™ software provides threat evaluation, gas identification, concentration, time stamp and other data for stand alone monitoring or inclusion into industry standard integration software

**Diagnosis:** Self-diagnoses path obstructions, interferants and detector well-being

**Confidence Tester:** Internal, software activated relay that confirms detector operation and communication at user defined intervals (daily, weekly, etc.)

## SYSTEM

**Sensor Type:** Infrared absorption

**Sensitivity:** Varies by vapor; from 200 ppm•m to 2 ppm•m (well below IDLH in typical installations)

**Response Time:** 1 second

**Identification Time:** 1-30 seconds

**Path Length:** 1-30m; 30m-100m

**Ongoing Calibration:** None

**Warranty:** One year

**Consumables:** None

**Maintenance:** Self-monitoring; no scheduled maintenance

**Operation:** Continuous

## MECHANICAL

**Housing Size:**
- **Detector:** 7” x 7.5” x 22.5” (17cm x 19cm x 57cm)
- **IR Lamp:** 14” x 14” x 8” (35cm x 35cm x 20cm)
- **7” x 7” x 6” (17cm x 17cm x 15cm)

**Enclosure Material:** Powder Coated Aluminum

**Weight:**
- **Detector:** 13 lbs (6 Kg)
- **IR Lamp:** 8 lbs (4 Kg), 4 lbs (2 Kg)

## ENVIRONMENTAL

**Operating Temp.:** -40°F to +140°F (-40°C to +60°C)

**Operating Humidity:** 0 to 95% RH (non-condensing)

**Weatherproof rating:** IP66

**Certifications:** ISO 9001, UL & CE (pending)

## ELECTRICAL

**Operating Voltage:** 120 VAC or 240VAC

**Power Consumption:**
- **Detector:** 25 watts max.
- **IR Lamp:** 5 watts to 50 watts max.

Specification subject to change without prior notification