The SC-BDG Badge-Sized Volatile Organic Chemical (VOC) detector is Seacoast Science’s smallest VOC detecting prototype. Weighing less than four ounces (100g), the SC-BDG is used to detect numerous volatile organic chemicals, emissions gases, nitroaromatics, and chemical warfare agents (CWA) to provide heightened protection for facilities personnel and first responders.

**FEATURES**
- Detects Volatile Organic Compounds
- Detects Chemical Warfare Agents
- Turn on and detect within 10 seconds
- Worn as a badge on belt or shirt pocket
- LED flash warns when chemicals are detected
- Can sample up to once per second
- Interchangeable Sensor Array
- Optional Air Pump to improve detection capabilities

**SPECIFICATIONS**

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<th>Type</th>
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| Substance Detected        | Volatile Organic Compounds  
                            | Chemical Warfare Agents  |
| Detection Principle       | MEMS Chemicapacitive Sensor Array  |
| Sampling Method           | Residual air flow over sensor  |
| Response Time             | Seconds (concentration dependent)  |
| Power Source              | AAA (5) alkaline/rechargeable/AC Adapter  |
| Battery Life              | Approximately 60 days  |
| Operating Temp.           | -5°C to 70°C  |
| Dimensions (Display Module) | L1.1 x W2.7 x H0.9 in.  |
| Weight                    | Less than 4 ounces (100g)  |
| Accessories               | AC Adapter, metal carrying case, USB adapter, Air pump, Sensor Array  |

**For applications requiring detection of:**
- Acetone
- Acetonitrile
- Acetophenone
- Allyl alcohol
- Ammonia
- Benzene
- Bromobenzene
- Carbaryl
- Carbon disulphide
- DIMP
- DMDNB
- 2,6-DNT
- 2,4-DNT
- Ethyl acetate
- Ethyl alcohol
- Hydrogen cyanide
- IPA
- Methyl alcohol
- Methyl benzoate
- Nitrobenzene
- 1-Nitropropane
- o-Nitrotoluene
- Octane
- Phenol
- Styrene Oxide
- Tetrahydrofuran
- Toluene
- HD (Mustard)
- GA (Tabun)
- GB (Sarin)
- GD (Soman)

This is a partial list of chemicals. Please contact Seacoast Science for more information.

Next generation - SCMicro
- Even smaller and lighter weight than the SC-BDG
- USB connectivity to charge battery and download data

SEACOAST SCIENCE, Inc.