

CHAMELEON



Originally designed to meet stringent U.S. Marine Corps requirements, the Chameleon features a rugged design for use in excessively hot and cold conditions and even in wet or dry environments. It can be submerged in water for up to one hour.

Unlike other chemical detection kits, the Chameleon does not require a liquid sample; it detects toxic chemicals in air. The armband has room for up to 10 cassettes that can detect a variety of threats. Pre-configured kits are available for HazMat, clan-meth lab and chemical suicide situations. Toxic chemicals in air are identified with an easy-to-read color system. If half of the sensor changes color, the chemical is present. The video to your right shows a Chameleon cassette changing color in real-time upon exposure to a toxic gas.

The Chameleon can be worn on the forearm, upper arm or even leg, for hands-free detection of gasses and vapors. The adjustable band, which is available in two sizes, expands for wear outside most turnout gear or level-A suits. A sturdy Velcro closure offers easy adjustment and secure placement.

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No special training is needed to use the Chameleon. Once the cassettes are inserted into the band and the band is attached to the arm or leg, the user simply looks for a change in color of any of the cassette windows.

TECHNICAL SPECIFICATIONS

Cassette Shelf Life	24 months at room temperature
Cassette Service Life	24 hours
Temperature Range	-30°C to 50°C (-22°F to 122°F)
Humidity Range	20% to 100% RH
Water Immersion (fresh or salt water)	1 hour
Sensitivity at PEL¹ concentration	Color change in <30 minutes
Sensitivity at one-half IDLH² concentration	Color change in <5 minutes