

# Chameleon

## Chemical Detection Armband



Military, law enforcement, first responders and emergency personnel know—the most effective missions are the safest. And only known dangers can be proactively mitigated. Yet, some of the most dangerous threats—like toxic, airborne chemicals—are often unseen. Whether investigating a potential chemical suicide, raiding a possible meth lab or conducting military reconnaissance in a hostile theater, ensuring safe breathing conditions is paramount to the safety of all involved. There are many chemical detectors on the market; choosing the right one is critical. The Chameleon chemical detection armband was designed for these threats.

Traditional electronic chemical detection devices require a great deal of training, a large budget and regular maintenance. These chemical detectors are designed for hazmat or CBRN specialists. The Chameleon is much more convenient. Simple to use and low cost, Chameleon is a unique chemical detection device that can be used by every warfighter, police officer and firefighter.

That's thanks to the Chameleon's simple color-change chemical detection system. One color indicates the absence of toxic gas. When two colors appear in the window, users know it's time to take action. No chemical detector is easier to use. The video to your right shows a Chameleon chemical detection cassette changing color in real-time upon exposure to a toxic gas.

In addition to being easy-to-use and low cost, the Chameleon is a chemical detector built for the real world. It is designed for use in arctic, tropical and desert conditions. It can even be immersed in water. No other chemical detector can do that. That's why naval boarding teams use the Chameleon.

Morphix Technologies has prioritized its product development based on the advice of U.S. military and law enforcement agencies, so Chameleon chemical detection cassettes are available for many of the high-risk Toxic Industrial Chemicals (TICs) identified by the U.S. government.

### 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 PEL <sup>1</sup> concentration	Color change in <30 minutes
Sensitivity at one-half IDLH <sup>2</sup> concentration	Color change in <5 minutes
Armbands	Standard (14 inch) Extra Large (18inch)



Contract # GS-07F-0147T



# CHAMELEON PRODUCT CONFIGURATION

## CASSETTES

Chemical Name	Part Number <sup>1</sup> (Box of 50)	National Stock Number (NSN) <sup>2</sup> (Box of 50)
Acid (low pH) gases	084005-50	6665-01-561-4670
Ammonia	084015-50	6665-01-561-4223
Basic (high pH) gases	084020-50	6665-01-561-3281
Chlorine/Fluorine	084035-50	6665-01-561-4176
Diborane	084040-50	
Hydrazine	084045-50	
Hydrogen Cyanide	084048-50	
Hydrogen Fluoride	084049-50	
Hydrogen Sulfide	084030-50	6665-01-561-3283
Iodine	084052-50	6665-01-561-4163
Nitrogen Dioxide	084054-50	
Phosgene	084060-50	6665-01-561-4174
Phosphine	084061-50	6665-01-561-4186
Sulfur Dioxide	084065-50	6665-01-561-3172

## PRODUCT KITS

Kit Name	Contents (in hard carrying case)	Part Number	Cassette Refill Part Number <sup>1</sup>
<b>HazMat Detection Kit</b>	Two (2) Armbands; Ten (10) pouches containing one cassette of each of the following: Chlorine/Fluorine, Hydrogen Fluoride, High pH (base), Hydrazine, Hydrogen Sulfide, Iodine, Low pH (acid), Phosgene, Phosphine and Sulfur Dioxide	Standard armbands (14"):085110 <i>or</i> Extra Length armbands (18"):085110XL	085111
<b>Clan-Meth Lab Detection Kit</b>	Two (2) Armbands; Ten (10) pouches containing one cassette each of the following: Ammonia, Hydrogen Sulfide, Iodine, Low pH (acid), Phosphine	Standard armbands (14"): 085120 <i>or</i> Extra Length armbands (18"): 085120XL	085121
<b>Chemical Suicide Detection Kit</b>	Two (2) Armbands; Ten (10) pouches containing one cassette each of the following: High pH (base), Hydrogen Sulfide, Low pH (acid), Phosphine, Sulfur Dioxide	Standard armbands (14"): 085140 <i>or</i> Extra Length armbands (18"): 085140XL	085141
<b>Arson Investigation Kit</b>	Two (2) Armbands; Ten (10) pouches containing one cassette each of the following: Ammonia, Hydrogen Cyanide, Hydrogen Fluoride, Hydrogen Sulfide, Low pH (acid), Nitrogen Dioxide, Phosgene, Sulfur Dioxide	Standard armbands (14"): 085190 <i>or</i> Extra Length armbands (18"): 085190XL	085191

## TRAINING KITS

Kit Name	Contents	Part Number	Cassette Refill Part Number
Training Kit (ideal for classroom)	One (1) armband with 10 inactive cassettes, fifty (50) training cassettes, fifty (50) ampoules	085130	085131

