SCRAM CONTINUOUS ALCOHOL MONITORING

SCRAM CAM Tamper Technology Facts

The SCRAM CAM bracelet *is a transdermal alcohol monitoring device that automatically tests the wearer's sweat (insensible perspiration) to determine if they have consumed alcohol. Any non-porous object placed between the bracelet and skin can prevent the flow of insensible perspiration, thus inhibiting alcohol testing. The bracelet also has built-in tamper technology that can detect obstructions if the wearer is attempting to circumvent the system.*

SCRAM CAM Tamper Technology

The SCRAM CAM bracelet is equipped with an Infrared (IR) sensor that emits an infrared light between the device and the leg of the wearer, and the reflection of light is then measured in volts. IR sensors are commonly used in various applications like automatic faucets, photocopy machines, garage door sensors, and industrial safety systems.

When the SCRAM CAM bracelet is first installed on a participant, the IR sensor takes a series of readings that establish a baseline IR voltage. Deviations in the IR voltage are used to detect obstructions between the bracelet and the leg.

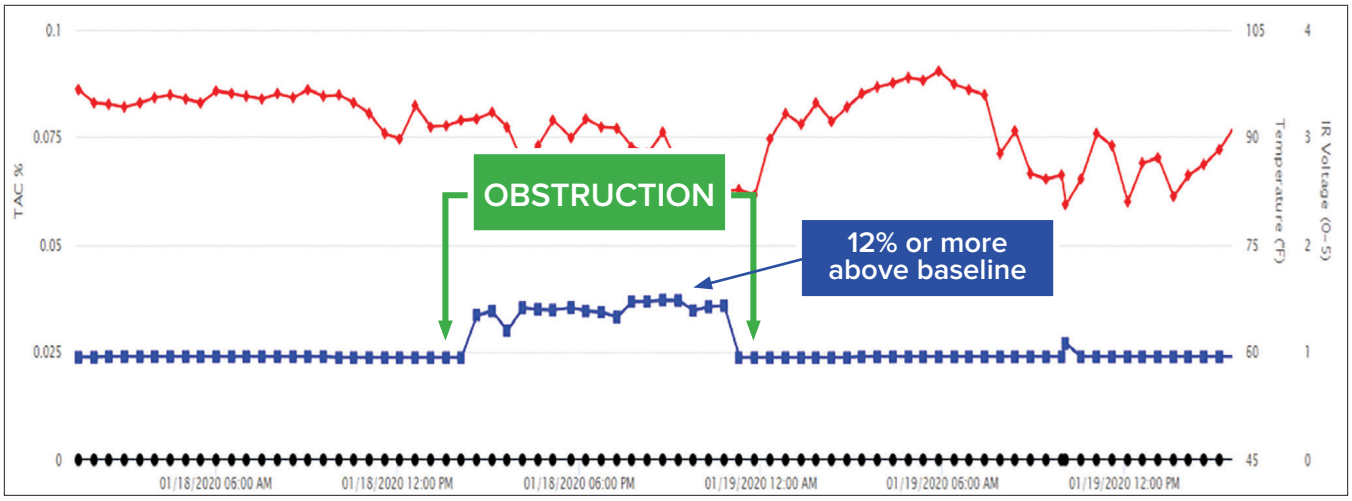
Additionally, the SCRAM CAM bracelet has a sensor that monitors the temperature of the bracelet and is thus impacted by both the body's warming effect and the environmental temperature. Overall, deviations in the temperature and IR voltage assist in the detection of device removals.

Our Criteria for Confirming a Tamper Event

- A baseline IR voltage is established when the SCRAM CAM bracelet is installed on the participant
- Any potential tamper alerts generated by the SCRAM CAM system must meet specific criteria to be confirmed as a tamper
- Tamper alerts confirmed as obstructions by SCRAM Systems are identified by a sustained deviation in the IR voltage that is outside of the acceptable variance
- The acceptable variance is 12% above the wearer's normal baseline IR voltage
- Deviations outside the acceptable variance from the established baseline must be sustained for a minimum of 8 hours when no alcohol is present and 3 hours or more when alcohol is present

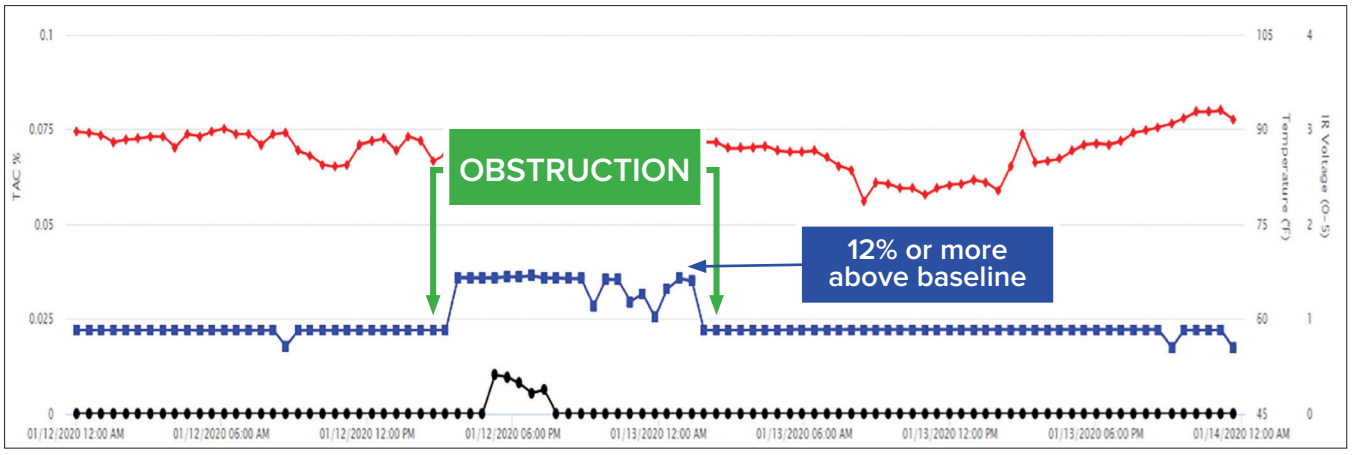
Data Interpretation of SCRAM CAM Tamper Events

Confirmed Tamper



SCRAM Systems identified a potential tamper for 8 hours or more that was confirmed as an obstruction between the bracelet and the skin. The presence of any obstruction indicates non-compliance and may point toward an attempt to defeat the technology and prevent alcohol testing.

Confirmed Tamper with Alcohol Detected



SCRAM Systems identified a potential tamper for 3 hours or more that was confirmed as an obstruction between the bracelet and the skin. Although an obstruction was present, it did not prevent the bracelet from detecting alcohol. The presence of any obstruction indicates non-compliance and may point toward an attempt to defeat the technology and prevent alcohol testing.

● Transdermal Alcohol Concentration (TAC) ◆ Temperature ■ IR Sensor