

Available through:



Alcohol Countermeasure Systems
dba ALCOLOCK USA

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Quality management certifications



Warranty

ACS products are warranted to be free from defects in workmanship and material for one year from the date of purchase. Only qualified technicians should perform maintenance on any breath alcohol tester.

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RELIANT™ VMU

Remote Monitoring Solutions



20180814



Simple to use, security you can trust

RELIANT VMU confirms the adherence to an alcohol-free lifestyle for those who require community supervision, home confinement or 24/7 remote monitoring.

RELIANT VMU enables monitoring personnel to remotely determine compliance of the offender with location based breath alcohol measurements, biometric confirmation, facial images and interactive reporting capabilities.

Biometric monitoring

RELIANT VMU uses a multi-faceted biometric approach to confirm identity of the offender and to thwart attempts at circumvention of the breath sample. It uses GPS coordinates with time and date monitoring and reporting through GSM, Wi-Fi or LAN together with biometric identification by facial recognition, finger print scanning and ECG identity.

Anti-circumvention

RELIANT VMU is robust in construction and meets IP52 rating for safe, secure, remote use. The case is constructed with high impact plastic and tamper resistant fasteners. The unit also has shock sensors to report on any rough handling. The breath sampling system is isolated from the electronics to prevent wilful attempts at circumvention or damage to the function of the product.

The RELIANT advantage














ISO TS 16949, ISO 9001, ISO 14001, ISO 17034 and ISO/IEC 17025 certified, ACS ensures high quality design and manufacturing of all products and services while balancing our respect for the environment. Our commitment to safety, quality and customer service defines our industry leadership.

Simple Program enrollment

1. The client is enrolled by the case officer through secure connection with the central database. An image of the person is captured and biometric information stored in the unit and in the online client file for later confirmation.



2. The client schedule is programmed through the case management application and clients are trained in the use of the device. The client takes the device home to connect with power and internet (LAN or Wi-Fi). For GSM units, the link is activated during enrolment.
3. RELIANT VMU makes remote connection with the central database and the client management application confirms online status for continuous supervision.

-  **Sensor**
Electrochemical
-  **Specificity**
Alcohol only, no response to ketones or hydrocarbons
-  **Range of measurement**
0 to 0.45 g/dL
-  **Time to ready**
< 5 seconds
-  **Analysis time**
< 10 seconds
-  **Biometric**
Facial identification, fingerprint and ECG
-  **Display**
4.3 inch graphic LCD
-  **Communication**
GSM, Wi-Fi, LAN, USB
-  **Power**
AC 90 - 250 volt to DC 12 volt adapter
-  **Battery**
Li-ion 2300 mAh (48 hours)
-  **Calibration**
ALCOSIM™ breath alcohol simulator or equivalent
-  **Dimensions**
7.9 in x 5.1 in x 2.8 in
-  **Weight**
17.6 ounces

Visual Monitoring Unit



Client



The client is enrolled by their case officer and takes the device home

VMU



Biometric identification by facial recognition, finger print scanning and ECG identity

Central database



RELIANT VMU makes remote connection with the central database

Web portal



The client management application confirms online status for continuous supervision