UTC & UTK

Drug Test System

armas
ELEKTRONİK

Drug Test System

ARMAS supplies drug use testing rapid screening equipment worldwide for use in areas such as police controls, roadside traffic controls, workplaces and hospital controls. These devices allow the detection of people who use addictive drugs with a sample taken from oral fluid. With the ARMAS Drug Test System, the use of many substances determined within the scope of legally prohibited drugs can be detected.

UTC Drug test measurement System includes sample collection unit where human oral fluid sample is examined, UTK Test Kit where substance analysis is made, UTC Tester where analysis is evaluated optically and recorded with various data, portable printer where data results are converted into reports .

UTC **Drug Tester**

The data entered with the keypad on the UTC Device is saved in the device memory. The data stored in the memory is then scanned according to some criteria. These data can be displayed on the screen and the measurement result or the data in the memory are reported with the portable printer provided. In addition, the data in the memory can be transferred to the computer with the UTC-DATAPro software.

Measurement safety in shocks and vibrations is ensured by locking the UTK kit to the UTC device. Analysis does not start until the kit is fully locked to the instrument. The RFID tag enables wireless communication between the UTK test kit and the UTC tester. Information such as whether the UTK kit to be analyzed has been used before, the types of substances to be checked during the test and the cut-off values of these substances is learned and the test begins. If the user independent UTK kit has expired or has been used before, it does not measure. Thus, safe and reliable measurement is ensured.

Accurate, reliable and sensitive results are obtained thanks to the optical and electronic analysis of the UTC Tester, which is designed with high technology and adjustable cut-off values of the UTK Kit, according to the demand formed in line with the purpose of use. The tests performed with this method are for preliminary detection purposes.

Technical Specifications

- Precise, safe, fast evaluation thanks to automatic optical analysis
- Show results in maximum 8 minutes
- Easy data entry with the keypad that can be used day and night
- Recording of many data such as driver's name-surname, identification number, employee identification number, registration number, name-surname, team number
- Transfer of recorded data to computer via user-friendly UTC-DATAPro software
- Receiving report from portable thermal printer via Bluetooth
- Recognition of UTK kit with optional RFID identification, elimination of invalid or expired kits
- Ability to record those who do not accept the measurement with the measurement REFUSE feature
- Sun-readable high resolution color TFT Display
- Rechargeable powerful Li-ion battery
- Low power consumption and approximately 400 measurements on a single charge
- Real-time measurement recording with internal date-time hardware and battery
- Possibility to record up to 35.000 measurements depending on the data
- Ability to charge in office and vehicle environments with 220VAC and 12VDC charging kits
- Safe use in shocks and impacts with the kit locking feature
- Trouble-free operation in harsh environmental conditions
- CE certificate (EMC and LVD compliance)

UTK **Drug Test Kit**

UTK Test Kit offers the opportunity to detect 9 types (standard 7) drugs simultaneously from same oral fluid sample. The number of items to be tested and the cut-off values of the items may vary according to demand. The RFID tag (optionally offered) on the UTK detection kit embeds kit information such as the types of substances to be tested, the cut-off values, the expiration date and the lot and serial number. The device automatically checks these information for the validity of the kit. Kit will not be valid if it is used before or expired. . Thanks to this tag, the UTC device fully automatically recognizes the UTK kit, prevents user errors and executes operations according to the information.

The UTK Detection kit is disposable and in some models the oral fluid collection pad is integrated into the kit, while in some models the oral fluid collection pad is in the form of a separate unit and is used with the dripping unit.

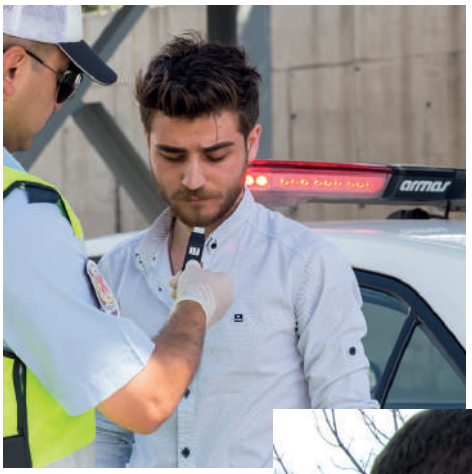
Test Items

Types of Drugs	Cut-off Value (ng/mL)
Amphetamine (AMP)	50
Methamphetamine (MET)	50
Ecstasy	50
Benzodiazepine (BZD)	20
Cocaine (COC)	30
Opiate(OPI)	40
Marijuana(THC)	25
Contact for other drug types	Contact for other cut-off values

Technical Specifications

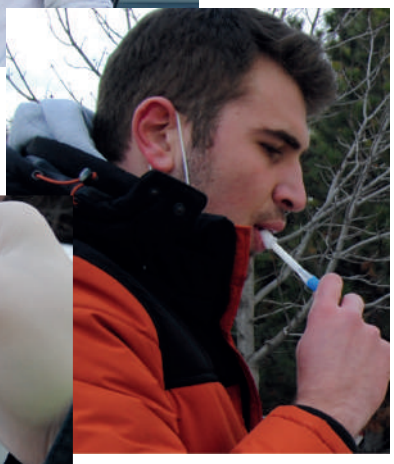
- Possibility of detecting up to 9 kinds of substances (standard 7) with a single oral fluid sample
- Easy and painless sample collection with the hygienic saliva collection pad integrated into the test kit
- Rapid sample collection in a row with external sample collection pad with indicator
- Control lines on the assay indicating proper sample collection
- RFID tag containing information such as lot, expiry date, kit serial number, test substance types and levels, whether it has been used before or not
- CE certificate (EMC and LVD compliance)

Oral Fluid Collection Methods



Oral Fluid Collection via Kit

With the integrated pad on the UTK test kit, the liquid sample is hygienically collected from the mouth of the subject without the need for further processing. Color change occurs in the drug detection area when sufficient fluid collection is performed.



Oral Fluid Collection with External Unit

Liquid sample is collected from the mouth of the subject with an external collection unit, it is understood that a sufficient amount of sample has been collected when the color of the strip on the unit changes. Then, this sample is transferred to the dropper and the analysis of the kit is started by dripping from the dropper to the areas on the UTK kit. The kit is then attached to the UTC device.

Portable Printer

Besides keeping the results of the measurements made with the drug test system and the data in the memory in the device memory, it can also be reported as a printout with the ARMAS portable Bluetooth printer and can be signed by the measured person when requested. The number of copies of the printout can be adjusted.

Mechanism	Direct Thermal
Battery	Rechargeable Lithium-ion
Communication	Bluetooth
Paper width	57,5 mm
Paper Roll Diameter	40 mm
Indicator	Charge status, power and error leds
Automatic Shutdown	Yes
CE Certificate	Yes

UTC-DATAPro Data Transfer Software

With the UTC-DATAPro software, the recorded data in the UTC Drug Tester are transferred to the computer and archived. The transferred data can be scanned and saved in different media and reports can be obtained. After transferring measurement results from the device to the computer, the results in the device memory can be deleted by this software.

Armas reserves the right to change without noticing in technical matters, standards, colors, pictures and dimensions.

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