



GA510

Handheld Urine Trace Drugs Analyzer



Handheld Urine Trace Narcotic Drugs Analyzer

GA510

Description:

Diode row detector (InGaAs) with polychromator, In order to solve the problems of long waiting time, slow operation response, and large errors in the detection of drug users by grassroots users. Optosky launched a rapid drug urine detector. The product is simple and easy to use, can detect 14 kinds of drugs at a time, reflects the time quickly, and is convenient to keep and fight. It greatly improves the use efficiency of basic-level public security anti-drug and drug rehabilitation staff, saves time, and realizes rapid screening and rapid determination of drug types.

The company currently has three-in-one, four-in-one, five-in-one, six-in-one, and up to 14-in-one. That is, a cup of urine and a single experiment can detect up to 14 kinds of drugs. It is widely used in public security anti-drug police to perform surprise missions, police follow-up testing of drug rehabilitation personnel in drug rehabilitation centers, irregular urine tests for community drug rehabilitation personnel, and mandatory medical examinations for conscription. Inspection items provide great convenience and efficiency for case handling personnel of the Public Security Bureau. GA510 urine trace drug rapid detection system, jointly developed by our company and the Institute of Rare Earth Materials of the Chinese Academy of Sciences, urine drug rapid detection instrument, optional 4G module, ID card recognition module and refillable light camera, can be used for public security police to go out

Used by law enforcement on the spot, taking pictures and identity verification of drug users on the spot. The equipment has a built-in large-capacity battery, which can be used for one day with full power (test 100 copies), and print the results on site as a basis for on-site inspection and disposal by public security anti-drug police. Within 5 minutes, GA510 can easily detect more than 20 common drugs such as morphine (6-monoacetylmorphine), methamphetamine (commonly known as methamphetamine), and ketamine (commonly known as K powder) in urine, meeting the needs of qualitative and quantitative

P analysis. At the same time, the results are saved for evidence, and
P the results and values are printed out or uploaded to the cloud
S
w platform.

Feature:

- **One Cup of urine, 14 drugs in one experiment.**
- **Rapid Detection:** All tests in 5 minutes.
- **High Sensitive:** A minimum detectable level of 0.2ng/mg, and is in line with the industry standard of the Drug Association.
- **Convenient Sampling:** Only need a little urine.
- **Rapid Reaction:** After 1 hour of drug use, it can be detected, and within 7 days the history of drug use can be effectively investigated.
- **Sound-light Alarm:** There are suspected drug dealers, immediately sound and light alarm;
- **Quantitative Accurary:** Accurate sampling method and constant experimental process guarantee higher reference of quantitative test results;
- **Use Easy:** The testing personnel only needs simple training for precise operation.;
- **On-site Inspection :** The instruments, reagents and other accessories required for testing are all packed in the test case of about 20 inch suitcases

Application:

- Drug driving road poor
- Police anti-drug
- Drug testing at driving school
- Rehab
- Customs border control
- Military Conscription
- Hospital



1. Product background:

With the rapid development of globalization and society, drug crimes in China are showing a trend of high incidence and abuse. Relevant national departments attach great importance to anti-drug scientific research. Among them, improving drug detection technology has become an important part of drug control scientific research.

During the anti-drug scene, the suspect did not cooperate with the test, making it difficult for the police to obtain body fluids for drug testing. In order to solve the various shortcomings of the current public security anti-drug police in the urine and saliva testing methods for drug addicts, the precise service of anti-drug combat is used in actual combat and close to the needs of actual combat work. In order to solve the various shortcomings of the current public security anti-drug police in the urine and saliva testing methods for drug addicts, the precise service of anti-drug combat is used in actual combat and close to the needs of actual combat work. According to this request, our company has developed the GA510 handheld urine drug detector. At present, the product has obtained the product inspection report issued by the Ministry of Public Security's Safety and Police Electronic Product Quality Inspection Center, and the urine drug detection system has obtained the software copyright, software product and scientific and technological novelty report issued by the provincial science and technology department.

Table 1 GA510 Selection Guide

Model	Feature	Remark
GA510	Universal type	NA
GA510ID	With ID card recognition function	NA
GA510G4	With 4G communication module	NA

2. Detection Process:



3. Detectable Items:

Number	Item	Short
1	6-Monoacetylmorphine	6-MAM
2	Amphetamine	AMP
3	Barbiturate	BAR
4	Buprenorphine	BUP
5	Benzodiazepine	BZO
6	Caffeine	CAF
7	Cocaine	COC
8	Cotinine	COT
9	EDDP	EDDP
10	Ethyl glucuronide	ETG
11	Fentanyl	FYL
12	K2	K2
13	Ketamine	KET
14	Methcathinone	MCAT
15	MDMA	MDMA
16	Methamphetamine	MET
17	Morphine	MOP
18	Methaqualone	MQL
19	Methadone	MTD
20	Opiates	OPI

21	Oxycodone	OXY
22	Phencyclidine	PCP
23	Propoxyphene	PPX
24	Tricyclic Antidepressant	TCA
25	Cannabinoid	THC
26	Tramadol	TRA

Optosky GA510_Intelligent Urine Trace Drugs Analyzer (Hereinafter referred to as urine drug analyzer) , Using advanced rare earth fluorescence technology, according to the light beam emitted by the rare earth, it can easily generate rapid and accurate detection results for three common drugs in urine, morphine, methamphetamine, and ketamine (commonly known as K powder) within 10 minutes. With the characteristics of high signal-to-noise ratio, high resolution, high wavelength accuracy, and abundant test accessories, it can easily meet the needs of qualitative and quantitative analysis and scientific research for illegal drugs within 5 minutes. At the same time, the results and values are printed out as the basis for on-site inspection and disposal by the public security anti-drug police.

4. Feature & Advantage

- 1) **Advanced Technology** : Rare earth fluorescence technology is currently the emerging and most accurate immunoassay rapid test technology.
- 2) **Fast Detection** : Quantitative detection of drug content in urine samples of suspicious persons can be quickly completed within 5 minutes.
- 3) **High Sensitivity** : The minimum detectable drug content is 0.2ng/mg, which is consistent with the industry standard of the Anti-Drug Association.
- 4) **Easy Sampling** : A little urine is enough, no privacy is involved, and adulteration is avoided.
- 5) **Long retrospective period** : Urine can be used to detect whether the suspicious person contains drugs within 1 hour to 7 days.
- 6) **Constant environment** : The use of a constant temperature incubator can effectively eliminate the influence of time, low room temperature and other factors on the reaction.
- 7) **Quantitatively Accurate** : Precise sampling method and constant experiment process ensure that more reference quantitative test results are obtained
- 8) **Easy Use** : Precise operation can be carried out by simply training the inspectors.
- 9) **On-site inspection** : The equipment, reagents and other accessories required for testing are all packed in a testing box of about 20 inches luggage.

5. Configuration List

Name	Accessories	Quantity	Remark
Intelligent analyzer	Intelligent Urine Trace Drugs Analyzer	1	On-site rapid analyzer
Charger	Fast power charger	1	Fast power charger
USB	USB	1	USB
Rubber gloves	Rubber gloves	10	Rubber gloves



