

AT319S

Standalone Multi-Payment Alcohol Tester

Operation Manual



Cautions

- To have accurate indication of blood alcohol concentration, please test at least 15 minutes later after drinking.
- Do not put smoke into the tube, which can damage the sensor.
- Do not clean surface by Ethanol. Please use soft wet cloth and neutral detergent.
- Do not use inappropriate charger, otherwise it may cause AT319S damaged or malfunction.
- Do not use it beyond -10°C - 50°C .
- Avoid any fall or strong shock.

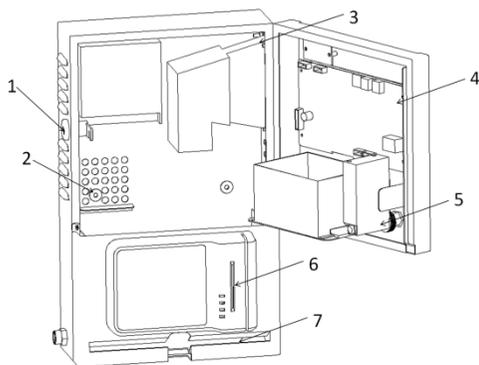
Summary

AT319S is a standalone multi-payment alcohol tester with start of the art design, which adopts advanced changeable fuel cell sensor module that presents professional grade accuracy, superb repeatability and high sensitivity. It supports 2 options of payment which are coin, and Credit Card Swipe operated on a 7 inch touch screen by connecting Wi-Fi or 4G to realize the payment and upload data to server on which owner can monitor transaction records, configure parameters, and insert photos of screen saver that could be regarded as merchant advertisements. For every new firmware updated, the machine will update it automatically when it's connecting WiFi or 4G.

Main Technical Parameters

Sensor	Advanced Fuel Cell
Sensor Life	2 Years
Test Range	0.000~0.400%BAC
Resolution	0.001%BAC
Payment Options	Coin, Debit Card, Credit Card, Apple Pay
Internet	4G, WiFi
Warm-up Time	≤30s
Working Condition	Temperature: 0℃~50℃ Humidity: ≤95%RH No Condensing
Display	7" (1024*600) Touch Screen
Working Voltage	Adapter Input: AC110V~AC240V, 50/60Hz; Output: DC12V/1.5A
Unit	%BAC, mg/l, g/l
Accuracy	±0.005%BAC (0-0.800%BAC) ± 8% (0.800-0.200%BAC) ±20% (0.200-0.400%BAC)
Coin Diameter	15mm~29mm
Coin Thickness	1.8mm~3.0mm
Quantity of Full Coin Tray	200
Capacity of Nozzle	200
Dimension	250mm×100mm×400mm
Weight	About 4.8kg

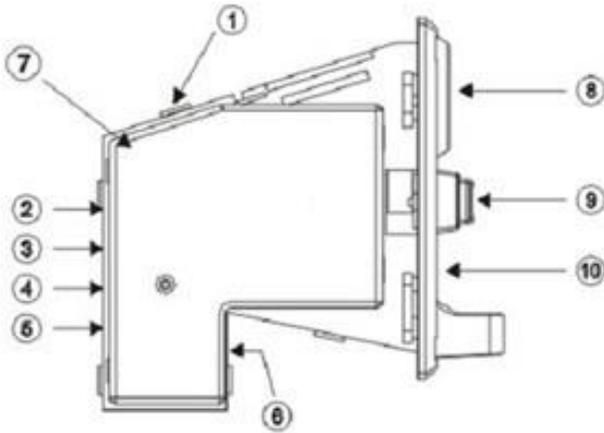
Structures



1. Case Locker
2. Mounting Hole
3. Coin Acceptor
4. Main Board
5. Sensor Module
6. Payment Module
7. Nozzle Hole

How to set up the model coin

Power on the tester and open the gate, you will see there's a coin acceptor(see photo below) and LED indicator⑦ lighting continuously. Press set button⑤ 2 seconds then release, the left top LED indicator⑦ turns from red to green. Press the set button⑤ 2 seconds again and release, the LED⑦ turns from green to red and flashes, now it enters into coin setting state, please put model coins into the coin slot 20 times(Recommend to put into coins of different years with different versions, coins can be fast or slow speed so as to simulate the normal use) until the coin slot does not accept coin anymore. When it's finished, the indicator lamp remain constantly lighting and the model coin setting is success.



Name	Function
① 3 segment jiggle switch	Distinguish accuracy: exact, normal, loose
② 4 pin Jack	
③ 2 segment jiggle switch	Distinguish NO and NC
④ 3 segment jiggle switch	COIN single transmission speed: fast, middle and slow
⑤ Set button	Set
⑥ 2 pin Jack	Electromagnetic strobe
⑦ LED Indicator	Showing to set the coin
⑧ Coin entrance	Coin Entrance
⑨ Coin return button	Press this button to get the coin which blocked in the coin entrance
⑩ Coin returned exit	Coin returned exit

Payment Options

AC power on, the machine will start initialization. Touch screen then it will show 2 options of payment method which are Coin, and Credit Card Swipe. Choose one of the options to continue the payment. Please note: if you select the option other than coin, make sure the machine connects to WiFi or 4G.

Coin: After set model coin, choose coin payment option and insert the coin to continue payment.

Credit Card Swipe: Choose Swipe payment option, it will show “please swing card”. Swing card as the display indicated, the screen will show card information and fees to pay, then click pay.

System Setup



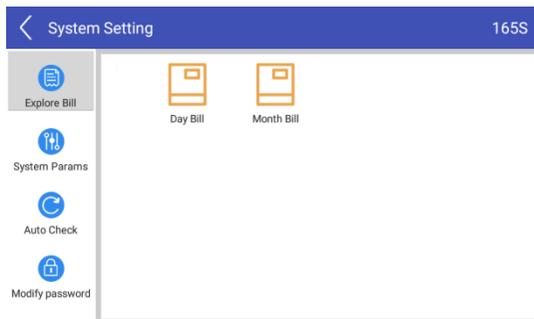
Top left indicates date and time;

Top right shows in sequence as

WiFi signal;
4G signal;
status of machine working normally or not;
coin tray is full or not;
due for sensor recalibration or replace;
system setup.



Click , to enter system setup interface on which user can register a username and sign in, alternative the user can complete registration by visiting <https://alcohol.sq361.com/hanwei>



Track Sales : View revenue on daily or monthly basis.



Machine Info : Set test price for single blow; Set quantity

that indicated as coin tray is full.



: Automatically check each module if it's

working normally.



Magnetic Card : To swipe magnetic card to check if it works normally.

Click it, there's a message: please swing magnetic card. Swipe card, then the machine will identify the card information indicating it's under normal condition, otherwise, it's faulty. Please note: there's another pop-up message after 15s without any operation: Magnetic device may be fault.



Coin : To cast one coin to check if coin accepter works.



Test : To complete one test to check if sensor works.



Used Count : The number in top right indicates the past times of

blowing. When it reaches 2000, the icon  turns red reminding it's time to replace a new sensor or do recalibration.



Clear Cash Count : The number in top right indicates the quantity of coins



in coin tray. When coin tray is full, the icon turns red. Please note: every time owner collects up all coins, please click the icon, the number will disappear.



Login Information

: Change password.



Appearance : Set display brightness, etc.



Wifi Setting : Set WiFi connection.



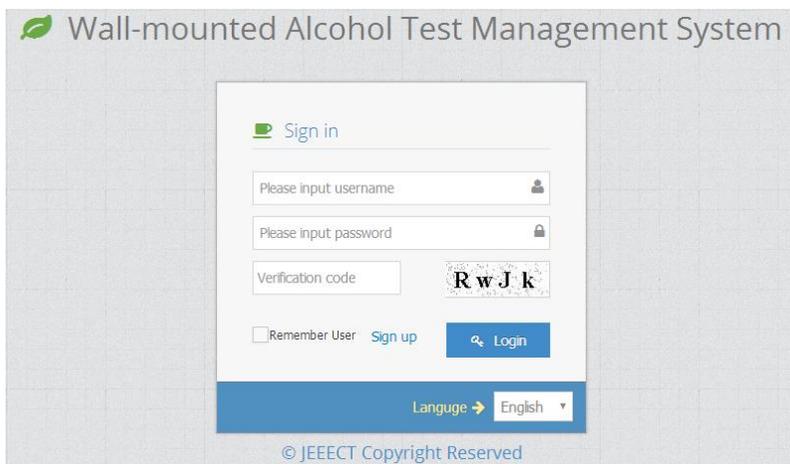
HomeSettings : System setting.

Wall-mounted Alcohol Test Management System

Register an Account



Click , to enter system setup interface on which owner can register a username and sign in, alternative the user can complete registration by visiting <https://alcohol.sq361.com/hanwei>



The screenshot shows the login interface for the Wall-mounted Alcohol Test Management System. At the top, there is a green leaf icon followed by the text "Wall-mounted Alcohol Test Management System". Below this is a white "Sign in" box with a green user icon. The box contains three input fields: "Please input username" with a user icon, "Please input password" with a lock icon, and "Verification code" with a CAPTCHA image showing the characters "R w J k". There is a "Remember User" checkbox and a "Sign up" link next to it. A blue "Login" button is positioned to the right of the "Sign up" link. At the bottom of the box, there is a "Language" dropdown menu currently set to "English". Below the box, the text "© JEEECT Copyright Reserved" is visible.

Device Bind

Click “device information” ,“Device bind” and input ID number, then click “Active device” to complete adding new device. Please note the device will be automatically added if the username is registered on the machine itself.

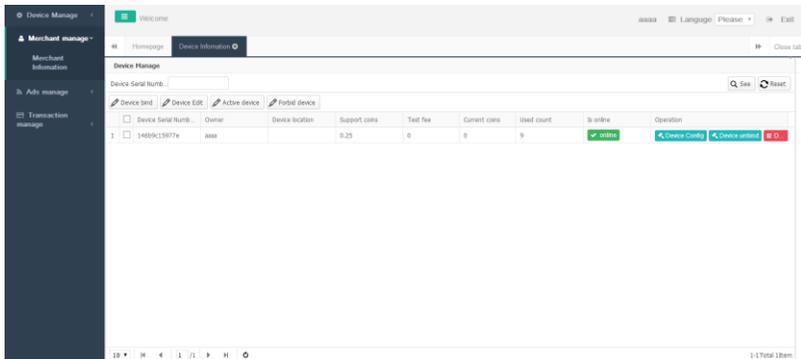
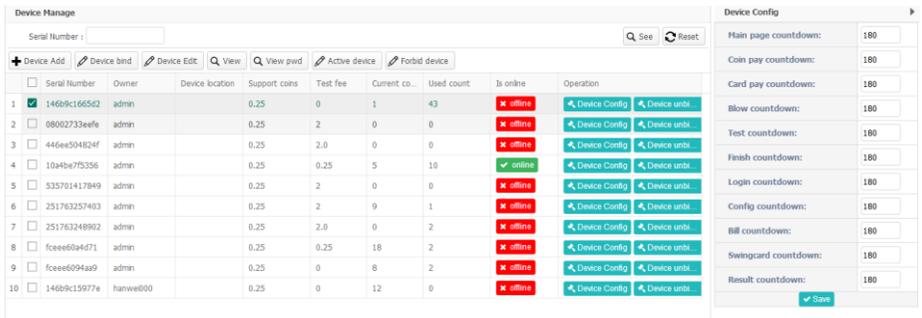


图 6

Device Configuration

After new device is added, it can do some configuration by clicking “device config”.



Device Unbind

Click “device unbind” to remove binding.

Payment Account Bind

Click “Merchant information” to input merchant information. Click “User Edit” to input owner’s account number that will receive transaction payment and password.

User Edit — □ ×

User Account:	aaaa	
Real Name:	<input type="text" value="aaaa"/>	Fill in the real name
Org:	<input type="text" value="Hanwei Electronics Group C"/>	please.muti.department
Phone:	<input type="text"/>	
Telephone:	<input type="text"/>	
Mail:	<input type="text"/>	
Api login id:	<input type="text"/>	
Transaction key:	<input type="text"/>	

Transaction Management

Merchant can monitor all detailed historical transaction records by screening payment options, device number, transaction time and export operation datasheet.

Transaction info								
Transaction type :		Please Select	Device Serial Num. :			Owner :		
Create Time :								<input type="button" value="Search"/> <input type="button" value="Reset"/>
<input type="button" value="Excel Output"/>								
Transaction No	Transaction type	Test fee	Card No	Device Serial Number	Owner	Transaction status	Create Time	
1	4FD12893008A4E3A46E8	Con	0.0		1469A125877e	admin	Success	2019-01-03 09:34:59
2	201812200846307362	Credit card	0.25	4833126120223566	f0ee06994a0	admin	Success	2018-12-20 08:48:30
3	C4943E41E05644C8011	Con	0.25		f0ee06994a0	admin	Success	2018-12-19 02:14:14
4	7783DF036710416F9889	Con	0.25		f0ee06994a0	admin	Success	2018-12-19 04:46:01
5	39018CF7ED024DC2996	Con	0.25		f0ee06994a0	admin	Success	2018-12-19 02:23:24
6	7783DF036710416F9889	Con	0.25		f0ee06994a0	admin	Success	2018-12-19 04:46:01
7	8AE23047476947C44DE	Con	0.25		f0ee06994a0	admin	Success	2018-12-19 02:12:14
8	F326EAC797046D788A	Con	1.5		f0ee06994a0	admin	Success	2018-12-20 11:04:53
9	20181218032429345	Credit card	0.25	4269388566878608	f0ee06994a0	hhhh	Success	2018-12-18 03:24:26
10	20181212181279234	Apply pay	0.01		10a4be75356	yii	Success	2018-12-12 18:11:28

图 9

Advertisement Management

User can upload some photos as advertisement to be shown in the display when the machine turns into standby mode.

Ads Add
— □ ×

Owner:	<input type="text"/>	<input type="button" value="Search"/>	<input type="button" value="Clear"/>
Title:	<input type="text"/>		
Content:	<input type="text"/>		
Picture:	<input type="button" value="upload"/> <input type="text"/>		
Is show:	<input type="radio"/> Yes <input checked="" type="radio"/> No		

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.