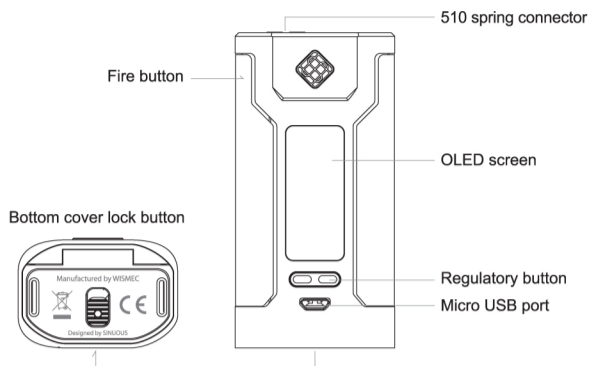


PREDATOR 228 Overview



Specification & Features

Weight: 166.2g
 Size: 43.6mm*29mm*86.7mm
 Thread Type: 510 spring loaded thread
 Cell type: High-rate 18650 cell (discharge current should be above 25A)
 Output Mode: VW/TC-Ni/TC-Ti/TC-SS/TCR Mode
 Output Wattage: 1-228W
 Resistance Range: 0.05-1.5ohm for TC modes
 0.1-3.5ohm for VW mode
 Temperature Range: 100-315°C/200-600°F (TC modes)
 Maximum Charging Current: 2A
 Maximum Output Current: 50A
 Output Voltage Range: 0.5-9V

How to use:

1. Power on/off: Unlock the bottom cover button and put two 18650 cells into the battery body. Press the fire button 5 times in quick succession to turn the device on and off. (Note: Please adjust the wattage to a proper range to match the atomizer you used before using. Moreover, please be careful not to use battery with torn shell for safety.)

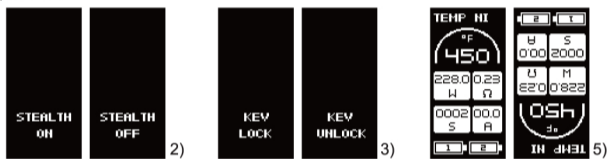
2. Stealth function: While the device is on, simultaneously hold the fire button and the left regulatory button.

This will switch the screen display on and off.

3. Key lock function: While the device is on, simultaneously press the two regulatory buttons. This will switch between Key Lock and Key Unlock function.

4. Micro USB Port function: The USB port can be used for charging and upgrading firmware. It is better to take out the cells and charge them through external charger.

5. Switch the display mode: By pressing the left and right regulatory buttons simultaneously in shutdown state, the screen display will rotate 180 degrees. You can then view the screen from two kinds of angle through this operation.

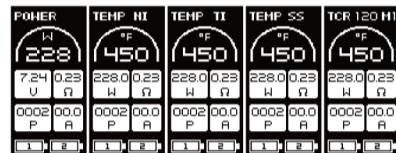


Shift among VW/TC-Ni/TC-Ti/TC-SS/TCR Mode

Press the fire button 3 times to enter into the mode options. Then press the right regulatory button to switch

between VW/TC (Ni, Ti, SS)/TCR (M1, M2, M3) mode. Press the fire button to confirm.

Under TC/TCR mode, while the mode sign flashing, press the left regulatory button to enter into its submenu. Then press the right regulatory button to choose TC-Ni/Ti/SS (TC mode) or M1/M2/M3(TCR mode). Press the fire button to confirm.

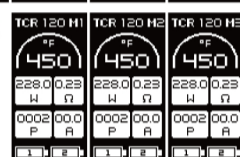


VW Mode:

In this mode, output wattage can be adjusted from 1W to 228W by pressing the regulatory buttons, right to increase and left to decrease.

TC-SS Mode: The TC-SS mode is suitable to SS316 coil.

TCR (M1, M2, M3): In TCR (Temperature Coefficient of Resistance) mode, users can set the parameters according to the TCR of coil.



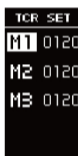
The Setting of TCR Mode: In powered-off state, keep pressing the fire button and right regulatory button simultaneously, then you enter into the TCR set menu:

- Press the left or right regulatory button to choose among TCR M1, M2 and M3;
- Press the fire button to confirm the mode you chosen;
- Press the left or right regulatory button to increase or decrease the parameter according to the TCR of coil;

(4). Keep pressing the fire button or leave the interface for about 10 seconds to confirm.

Following is the TCR value range for your reference:

Material	TCR Value Range
Nickel	600-700
NiFe	300-400
Titanium	300-400
SS (303, 304, 316, 317)	80-200



- Note: 1. The TCR value in the sheet is 10⁵ multiplied of the actual TCR.
 2. The TCR value range is 1-1000.

Supplementary TC Modes Functions:

Temperature adjustment: In TC modes, the temperature can be adjusted from (100-315°C or 200-600°F) with the two regulatory buttons, right to increase and left to decrease.

Shift between °C and °F: If you increase the temperature to 315°C, and continue to press the right regulatory button, the temperature readings will automatically change to the lowest Fahrenheit (200°F). Equally, if the temperature is decreased below the minimum (100°C), the unit will change back to °F automatically, and the temperature will start to decrease from 600°F.

Wattage adjustment: While the wattage sign blink, press the right or left regulatory button to adjust the wattage,

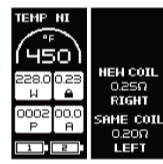
and press fire button to confirm. Long pressing the right or left regulatory button will make the wattage setting rapidly increase or decrease.

Resistance locked function: While the resistance sign blink, press the right regulatory button to lock or unlock the resistance of the atomizer. (Note: Such operation should be carried out at room temperature.)

New atomizer installation: In TC mode, be careful to attach new atomizers that have cooled to room temperature. If a new atomizer has not cooled down before attaching, the temperature may read and protect incorrectly until the new atomizer cools.

Note: 1. When you connect a new atomizer or disconnect and reconnect your existing atomizer, the device will prompt you to confirm this change and a message will prompt "NEW COIL RIGHT, SAME COIL LEFT". Press the right regulatory button to confirm that a new atomizer has been attached. Press the left regulatory button to confirm that the same atomizer has been reconnected.

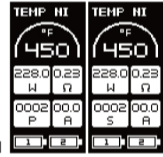
2. When using normal coil or the resistance of coil you used is higher than 1.5ohm in TC modes, the device will automatically switch to VW mode.



Shift between Puff and Time: While the user information sign blink, press the right regulatory button to shift between Puff and Time.

Logo Mode:

When powered on, press the fire button and right regulatory button simultaneously and



then you enter into the Logo Mode. Press the left regulatory button to choose between logo "ON" and "OFF", and press the fire button to confirm.

You can download our logo. You can also make logos to your preference, and then import it through software. The logo should be monochrome image in the format of bmp with limited 64*48 pixel.

The setting of Preheat Function:

- Long press the fire button and right regulatory button simultaneously to enter the menu.
- Press the right regulatory button to enter the preheat setting menu.
- Press the fire button to switch between preheat power and preheat duration.
- Press the left or right regulatory button to decrease or increase the parameter.
- Long press the fire button to confirm.



USB Charge Function:

1. Function of charging mobile phone: Connect the RC adapter with mobile phone through USB cable. When the device is on, press the fire button once to start charging.

2. Function of charging other electronic devices:

- While the device is on, keep pressing the fire button and right regulatory button simultaneously, and then you enter into the sub menu.
- Press the right regulatory button two times to enter into the USB CHARGE item.
- Make sure the USB CHARGE is on.
- Press the fire button three times to switch to USB charging mode.



(5). When it is fully charged, the OLED screen will display USB CHARGE STOP.

Malfunction Indication and Protection:

No Atomizer Alert: When the device does not detect an atomizer, the OLED screen will display "NO ATOMIZER FOUND".

Atomizer Low Alert: When the resistance of atomizer is lower than 0.1ohm in VW mode or lower than 0.05ohm in TC modes, the OLED screen will display "ATOMIZER LOW".

Atomizer Short-circuit Protection: When atomizer short-circuit occurs, the OLED Screen will display "ATOMIZER SHORT".

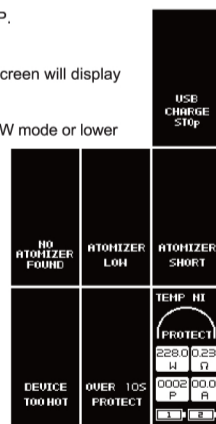
Temperature Alert:

If the internal temperature of the device is over 70°C, the output will shut off automatically and the screen will display "DEVICE TOO HOT".

Over 10 Second Protection:

When the power button is pressed for over 10 seconds, the output will shut off and the OLED screen will display "OVER 10S PROTECT".

Temperature Protection: In TC modes, if the actual temperature of coil reaches the set temperature, the device shows "TEMP PROTECT".



Weak Battery Alert:

In VW/TC mode, when the device installed with an atomizer is working and the voltage of battery is below 2.9V, the device shows "WEAK BATTERY". Meanwhile, the output power will be reduced accordingly.

Low Power Alert:

If the power of battery is lower than 10%, the power symbol on the screen will flash.

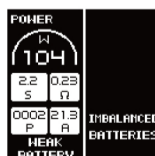
Imbalanced Alert:

When the difference between the maximum and minimum cell voltage is equal or greater than 0.3V, the OLED screen will display "IMBALANCED BATTERIES" after inserting the USB cable. Then please take out the cells to charge or replace with freshly charged cells.

Check USB Alert: When the voltage of the USB charger is equal or greater than 5.8V, the OLED screen will display "CHECK USB ADAPTER" after inserting the USB cable or vaping.

Charge Error Alert: When no current is detected in charging state, the OLED screen will display "CHARGE ERROR".

Check Battery Alert: When one of the cells is not installed correctly, the OLED screen will display "CHECK BATTERY".



Warranty

Please consult with your WISMEC distributors for warranty policy. We are not responsible for any damage caused by user error. This warranty is only valid for authentic WISMEC products within warranty period from date of purchase by the end user.

Warning

- Keep out of reach of children.
- This product is not recommended for use by young people, non-smokers, pregnant or breast-feeding women, persons who are allergic/sensitive to nicotine.

Contra-indication

- Only have your product repaired by Wismec. Do not attempt to repair the unit by yourself as damage or personal injury may occur.
- Do not leave the product in high temperature or damp conditions, as this may damage the product. The appropriate operation temperature is within 0°C to 45°C while charging and -10°C to 60°C while in use.
- Keep away from water.

Possible adverse effects

- Use of this product may cause damage to health.
- For people with adverse reaction after using this product, it is recommended to use the juice with lower nicotine content or no nicotine.