

## Power Management

Power Source: Built-in 3.7V, 900-mAh, Size 14500 of Lithium battery.

Charge Controller: Smart charger, LED charging-status indicator

Voltage Monitor: On-screen DVM, plus battery condition icon

Charger Source: Any USB port, analyzer accepts Micro-USB plug

Power Savers: Auto-off timer, Auto Run/Stop RFgenerator control

## Interface

RF Connector: SMA-female, (optional PL-259, N connector need adapter)

Battery Charge Connector: Micro-USB

Screen: 2.2 inch high-output color TFT

Function Keys: 4 buttons, with on-screen (soft-menu) identifiers

Tuning: Rotary encoder with press-in tuning-step selection

Weight and Dimensions

Case: Aluminum metal

Size: 2.8" wide x 4.0" high x 1.0" deep (7 cm x 12cm x 2.5 cm)

Weight: 6.1 oz (0.172 kg)



## 1.0 Turn on and off the power

Turn on the power, Press and hold White button when the dot disappear from left up angle, top Menu appeared on the screen.

Turn off the power, You have 2 method:

- On Top Menu page, Press and hold the White [F1] button at 5 second.
- On Top Menu page, Rotary encoder on "Power off", Press the [F2 Enter]

### 1.1 Function Select

You can turn the knob select you want function and press [F2.Enter] button. (Please see Pic.1)

## 2.0 ANTENNA TEST EXAMPLES (Scan mode):

In the Top Menu screen: Rotary encoder on "Scan", Press the [F2 Scan] to frequency mode measurement button, enter Scan- (scan mode) screen.

Press [F2 scan] button to start the scan operation. During scanning, in order to ensure measurement accuracy, each frequency will stay for short while. one scanning cycle will take about 1-2 seconds.

Once SCAN is done, it will enter "Present" mode (result) screen

You have results on the screen: Show the SWR curve only (because default setting SWR curve only, Zx curve, Rs curve, jx curve Disable)

You can Enable other curve on the screen: On Top Menu page,

Rotary encoder on "Zx", Press the [F2 Enter] to enable.

Other curve will Disable when Power Off, If want enable in the future,

Rotary encoder on "Save", Press the [F2 Enter] to save setting.

### 2.1 Move the cursor marker:

view the scan frequency point on the curve on each scan of the specific parameters of the measurement results.

Press the [F3.View] button to start the view operation mode. rotary encoder, the white triangle curve marker is move

Dot scale will display on screen, Press bottom change the Dot scale, You have 3 options of Dot scale mode for choose, [Dot=x1] [Dot=x25].

[Dot=x10][Dot=x25].

SWR Full scale will display on screen, Press bottom change the graphically plot SWR, You have 3 options scale mode for choose,

[SWR=x2][SWR=x0.5][SWR=x1].

### 2.2 Quick 1 start Scan mode:

Quick view the scan frequency point on the curve on each scan

Press the button [Quick 1] to start the Quick 1 operation mode. You have 3 options scan mode for choose.

1) Press the button [F1 Scan V1]. 132 to 174 MHz can of the specific parameters of the measurement results.

2) Press the button [F2 Scan V2]. 200 to 260 MHz can of the specific parameters of the measurement results.

3) Press the button [F3 Scan U]. 400 to 519 MHz can of the specific parameters of the measurement results.

### 2.3 Quick 2 start Scan mode:

Quick view the Full band scan frequency point on the curve on each scan

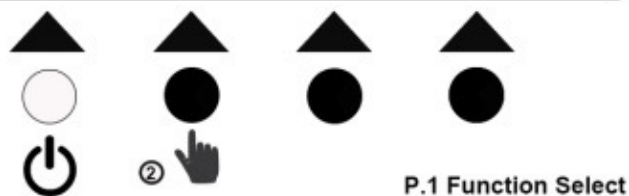
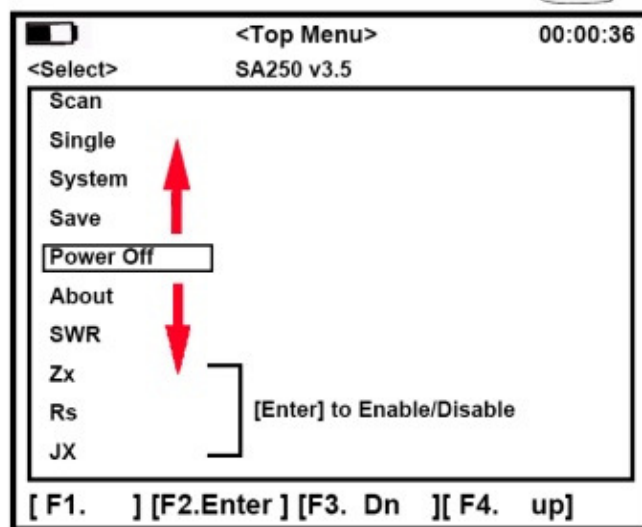
Press the [Q2] button to start the Quick 2 operation scan mode.

Press the [ScanFull] button to start the 3 BAND (132-174, 200-260, 400-519MHz) Scan operation mode. the measurement results.

After you have 2 options mode for choose.

Press the [Scan2 Mk] button to read the best SWR Yellow triangle curve marker. (operation Span 108MHz)

Press the [MoveCur] button, Nearby the best SWR Yellow triangle curve marker, Move right hand side. Press again move left hand side.



## 3.0 ANTENNA TEST EXAMPLES (Single mode):

In the Top Menu screen: Rotary encoder on "Single", Press bottom "F2" single - frequency mode measurement button, enter single- (single scan mode) screen.

a, Rotary encoder potentiometer enter the center frequency, the specific reference to the above operation "SCAN" sweep measurement mode descriptions.

b, Press the "F2 scan", to start the scan for one time: .

Single -frequency mode provides a single frequency impedance measurement, the measured frequency of the basic parameters are displayed on the screen. And to indicate the form of bars and numbers displayed on the screen quickly.

The scanning one time, will stop, until you press the F2 Scan button or rotary encoder potentiometer enter the center frequency.

In this mode, it can be used as an accurate signal generator, please refer to RF out.