
M300 Mini60 Sark100 1-60MHz ANT SWR/Analyzer Bluetooth Android Win7

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<http://sark-100.blogspot.com.es/>

<http://www.lxqqfy.com/e/product.php?id=MR300>

http://www.lxqqfy.com/files/MR300_SWR_Analyzer_User_Manual.pdf

http://www.lxqqfy.com/index/files.php?id=MR300_win

http://www.lxqqfy.com/e/file.php?id=MR300_app

http://www.lxqqfy.com/index/files.php?id=MR100_cmd

<https://sourceforge.net/projects/sark100swranaly/files/>

12V Shortwave Antenna Analyzer Meter Tester 1-60MHz Q9 Head Digital HighQ SP

The antenna analyzer can be used to test a standing wave, resistance, capacitance, etc. Connected to the computer, it would do the antenna and other graphic analysis. Analyzer is lightweight and small, designed with a LCD display with background lighting function, you could read data clearly even in a dim or dark circumstance. There is a transparent cover for good protection of the analyzer board.

Features:

The antenna analyzer can be used to test a standing wave, resistance, capacitance, etc.
The analyzer can be connected to the computer to do the antenna and other graphic analysis.
Analyzer is designed with a LCD display with background lighting function which would show clearly even in dim or dark.
This shortwave antenna analyzer is light weight and small in size so it is quite easy to carry.
Comes with transparent cover for good protection of the analyzer board as well as convenient reading of data.

Specifications:

Power Supply Voltage: 12V

Connector: Q9

Test Frequency: 1-60MHz

Size: 90 x 82 x 30mm / 3.54 x 3.22 x 1.18"

Quantity: 1

Weight: 180g (approx.)

Tipo de Versión: Versión Ordinaria / Versión Bluetooth (Opcional) Generación y control de frecuencia: 1-60MHz Impedancia de origen: 50 ohmios Estabilidad: (+/-) 100 ppm Pureza espectro: armónicos hacia abajo > - TBD dB más allá de 60MHz Tamaño de paso: Incrementos configurables por el usuario de 100Hz, 1KHz, 10KHz y 100KHz Rango de medición utilizable: SWR: 1.0 a 9.99 Impedancia: Aprox. 5 a 2000 ohmios Salida de RF: Ajustable: 2.0 volt pp (típico)

RF Out: BNC Fuente de alimentación: Interna: 8*AAA 1000mAh Ni-MH; Externa: DC 13.8~18V, 500mA Conector alim: Interno-positivo, Negativo-externo 12V - Puede conducir el analizador para trabajar, pero no puede cargar la batería 13.8V~18V - Puede alimentar el analizador para trabajar, + cargar la batería Interfaz USB: Conector Mini-B Interfaz de alimentación externa: Alimentación de 2,1 mm (pin de centro positivo) Medidas: 100 * 85 * 38mm / 3.94 * 3.35 * 1.5in Peso del artículo: 254g / 8.97oz Nota: Versión Bluetooth compatible con Android 2.2 - 4.0 o nuevas versiones; para móvil y tableta 3-10 pulgadas ; Programa para Windows 7.

<http://sark-100.blogspot.com.es/>
https://www.dropbox.com/s/z2t3t73lwpsq3ha/SARK100_User_Manual.pdf?page=20
<http://www.ftdichip.com/Drivers/VCP.htm>
<http://www.cypress.com/products/cy8c29x66>
<http://www.cypress.com/documentation/software-and-drivers/psoc-designer-50-service-pack-6>

FEATURES

mini size: 9.1*5.3*2.5cm
weight:220kg
with 3.7v li-on 1500ma battery(rechargeable)
Support for Android 2.2 -4.0 or new version, supports 3--10 inch mobile phone and tablet,
support windows via software

Bluetooth connection method :

1. Press the SET-CONFIG to option Software Load > DOWN button & Confirm to Install Android soft2. Press the SET-CONFIG button to option PC link3 Press the DOWN button to confirm dc connected ito the Bluetooth antenna head4 Open the Bluetooth phone paired with the assigned 12345 Open Android software click the link prompts the connection point of the scan is completed successfully

Automated antenna SWR analyzer

Hardware:

Precise and self-calibrating reflectometer design measures forward and reflected signals and impedance data
Display 2x16 with optional backlight
Precision DDS signal generator (AD9851) used as signal source
USB port only for battery charging
Buzzer

Operation:

Manual control option displays SWR and complex impedance at selected frequencies
Automatic scanning results displayed as frequencies of lowest SWR and complex impedance
Battery operated for field use or use external 13.8V wall adaptor
Power saving modes
Multi-point calibration for better accuracy

Instrument Capabilities:

Measure antenna electrical parameters: SWR, impedance (resistance + reactance), capacitance, inductance
Measure feedpoint impedance

Measure ground loss

Adjust antenna tuners and determine loss

Measure inductors and capacitors

Measure coax transmission line (SWR, length, velocity factor, approximate Q and loss, resonant frequency, and impedance)

Measure and determine optimum settings for tuning stubs: SWR, approximate Q, resonant frequency, bandwidth, impedance

Determine characteristic impedance of transmission line
Determine length of $\frac{1}{4}$ and $\frac{1}{2}$ wave phasing lines
Coaxial Cable Loss
Determine antenna tuner loss
Measure balun loss
Measure inductor Q
Estimate quartz crystal parameters
Measure magnetic loop resonance and SWR

SPECIFICATIONS

Frequency Generation & Control:

1 - 60 Mhz
Source impedance: 50 Ohms
Stability: +/- 100 ppm
Spectral Purity: Harmonics down >- TBD dB beyond 60 MHz
Step Size: User configurable increments of 100 Hz, 1 kHz, 10 kHz, and 100 kHz

Usable Measurement Range:

SWR: 1.0 to 9.99
Impedance: approx. 5 to 2000 ohms
Adjustable: 2.0 Volts pp (typ)
3.7v li-on battery
External: 12 to 14 Volts DC, 500mA
RF Output:
Power supply: DC 12-14V

Controls:

Pushbuttons (5): "Mode", "Band", "Config", "Scan", "Up", "Down"
Switch: "Power On"
USB: Mini-B receptacle
External power: 2.1mm Power Jack (center pin positive)