

# 5515 Series HF/VHF Antenna Analyzer

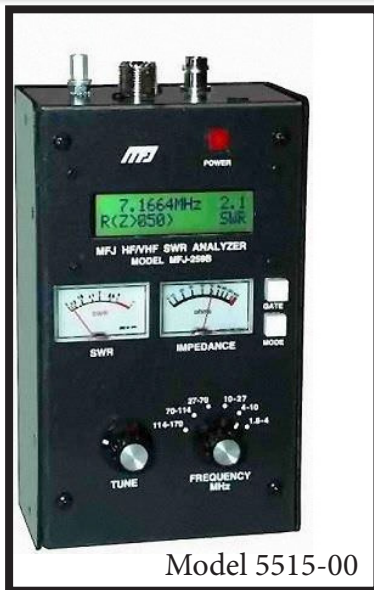
- Reads Antenna SWR
- Fully Portable
- Built-In Frequency Counter
- Simplifies Tuning of Antennas



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Model 5515-00

## DESCRIPTION:

The 5515 Series of SWR Analyzers is an easy to operate, versatile test instrument for analyzing nearly any 50 ohm RF system on frequencies between 1.8 and 170 MHz and 415 to 470 MHz. In addition the 5515 Series can be used as signal source and as an accurate frequency counter.

Model 5515-00 combines four basic circuits; a wide range oscillator, a frequency counter, a 50 ohm RF bridge, and a calibrated bridge unbalance indicator. The 5515-01 analyzer is a compact battery powered RF impedance analyzer. This unit combines five basic circuits; a variable oscillator, frequency counter, frequency multiplier, 50 ohm RF bridge, a twelve-bit A-D converter, and micro-controller.

This combination of circuits allows both models to measure the SWR (referenced to 50 ohms) of any load connected to the ANTENNA connector. The 5515 Series FREQUENCY switch selects frequency range. The units are portable and can be used with either an external low voltage supply, such as an AC adapter or with internal AA battery packs.

Primarily designed for analyzing 50 ohm antenna and transmission line systems, the analyzers can also measure RF impedances between a few ohms and several hundred ohms. An easily accessed user controlled Zo setting in the ADVANCED function menus allows changing SWR and other SWR functions (i.e. return loss, reflection coefficient, match efficiency, etc) to any normalized impedance value between 5 and 600 ohms.

## SPECIFICATIONS:

### Frequency Ranges

Model 5515-00 . . . . . 1.8 to 170 MHz

Model 5515-01 . . . . . 1.8 to 170 MHz and 415 to 470 MHz

Operating Voltage . . . . . 11 to 18 Volts

### Current Draw

Model 5515-00 . . . . . 150 mA

Model 5515-01 . . . . . 150 mA max on VHF, and 250 mA max on UHF

Power Connector . . . . . 2.1 mm coaxial jack

Antenna Connector . . . . . SO-239, BNC female for frequency counter function fixed shade

Dimensions . . . . . 4.25 x 6.75 x 2.375 in (10.8 x 17.1 x 6 cm)

Shipping Weight . . . . . 2 lbs (0.91 kg)

## ORDERING GUIDE

Model 5515-00. . . . . VHF Antenna Analyzer; Includes: Carrying Case and 12 V Battery Harness. Range: 1.8 MHz to 170 MHz.

Model 5515-01. . . . . VHF / UHF Antenna Analyzer; Includes: Carrying Case Range: 1.8 MHz to 470 MHz.

02-5515-00(B)

*Environmental Monitoring Solutions*

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