

## SCALAR NETWORK ANALYZER

### 56100A

10 MHz to 110 GHz

*For Scalar Analysis*



GPIB

The 56100A Scalar Network Analyzer measures insertion loss, insertion gain, or RF power with 76 dB dynamic range. Measure device match as return loss in dB or as SWR. Separate detectors can be used on all four inputs for multiple transmission measurements on duplexers or matched amplifiers.

Transmission and reflection measurements can be viewed simultaneously. Both traces can be scaled independently in dB, dBm, or SWR. Measurement of the ratio of two detector inputs may be applied to either channel for enhancing accuracy or for viewing differences. Built-in calibration allows subtraction of the unwanted transmission frequency response or the average of open/short reflections from either trace. A Volt Mode is available for displaying voltage (with volt mode adapter cable). A 0 to 10 volt sweep ramp output mode is also available.

### Features

- Compatible with Anritsu 68 series, 69 series and MG3690 series signal generators
- 10 MHz to 110 GHz
- Four input channels
- Extensive cursor, markers, and limit lines
- Applications functions for improved productivity

## SYNTHESIZED LEVEL GENERATOR

### MG442A

10 Hz to 20 MHz

*Compact and Lightweight*



The MG442A is a compactly designed level generator with excellent stability and accuracy in frequency and output level. Because it is a synthesized level generator, its output frequency is highly stable. It has an excellent output level accuracy and a superb frequency response unrivaled by similar level generators.

The MG442A can be used for many applications as a measurement signal source where high frequency stability and level accuracy are required. The MG442A is best suited for use as a signal source for measuring baseband circuits from audio to video and various types of communications systems.

With its ease of operation and excellent portability, it can be utilized for many purposes as a fundamental measuring instrument in laboratories and manufacturing plants.

### Features

- Universal output impedance
- Excellent operation: Digital frequency setting with 4 digits and output level with 3 digits
- Compact and lightweight

## SYNTHESIZER/LEVEL GENERATOR

### MG443B

10 Hz to 30 MHz

*For Frequency Tracking with ML422C*



GPIB

The MG443B is carefully designed. Its output level is highly stable, so it can be used for applications within the telecommunications industry without the need for a separate standard level meter.

### Features

- Wide frequency range with 1 Hz resolution
- As many as 20 panel settings can be memorized; memory sweep capability
- High output level characteristics  
Flatness:  $\pm 0.07$  dB (0° to +50°C)  
Level accuracy:  $\pm 0.15$  dB (0° to +50°C)
- High precision output level setting of 0.01 dB
- Continuous output level variable within approximately 4.5 dB
- Variety of output impedances  
Unbalanced: 50, 75  $\Omega$   
Balanced: 75, 135, 150, 600  $\Omega$