

Economical 400 & 500 MHz Sweepers

- 1 to 400 MHz Frequency Range (Option to 500 MHz)
- Calibrated Output (+10 to -55 dBm)
- Built-in RF Detector
- Complete Crystal Marker System

1 to 400 MHz Frequency Range

The 1060 Series of sweep generators are economical, laboratory quality, broadband sweepers designed to meet the needs of engineering, production and maintenance facilities, and educational institutions.

These small, compact sweepers will sweep any portion of their wide, 1 to 400 MHz frequency range. RF output is controlled by a calibrated 20 dB continuously variable PIN diode attenuator and a 10 dB per step 50 dB turret attenuator.

This series offers variable sweep rates, triggering capability, and either 50 or 75 Ω source impedance.

Marker System

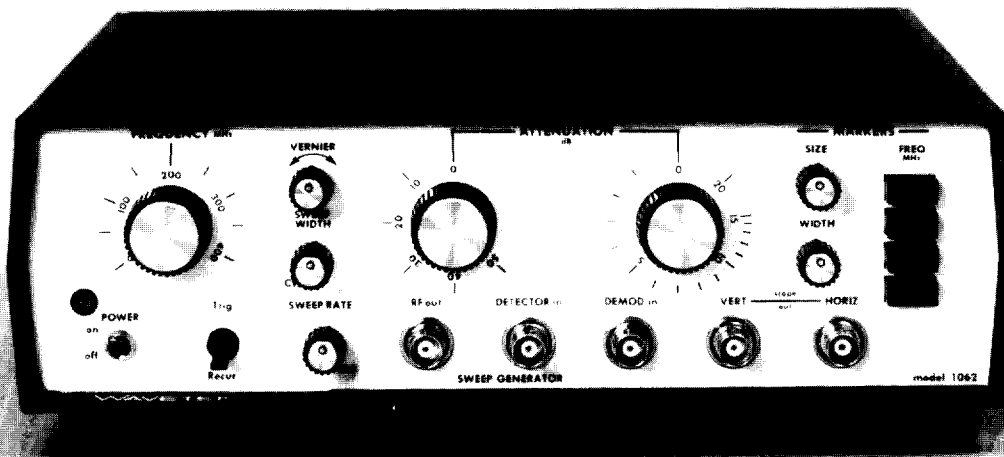
The marker system accepts up to six crystal controlled plug-in marker modules, allowing either fixed single frequency, and/or harmonic (comb) type markers. The marker amplitude and bandwidth can be adjusted by varying the front-panel controls.

Full Performance

The units are extraordinary sweepers, providing 10 mW RF output, 2% sweep linearity and ± 0.25 dB flatness. These features are typically found only in sweepers selling for much more.

Expanded Range CATV Version

Model 1067-522, a 75 Ω instrument tailored to the CATV industry, extends the RF frequency range to 500 MHz. It is a very desirable tool for CATV test applications.



SERIES 1060

SWEEP GENERATORS

RF FREQUENCY

Frequency Range

Models 1062, 1067: 1 to 400 MHz.
Model 1067-522: 1 to 500 MHz.

Dial Calibration

50 MHz intervals (fine frequency vernier included).

Accuracy

5% full scale.

Sweep Width

0.2 to 400 MHz.

Display Linearity

2%.

Operating Modes

Sweep and CW.

Drift

Less than:
 100 kHz for 5 minutes;
 2 MHz for 8 hours.

NOTE: At a constant temperature after 1/2 hour warm-up.

RF OUTPUT

Impedance

Model 1062: 50Ω.
Model 1067: 75Ω
Model 1067-522: 75Ω.

Power Level Range

Model 1062: +10 to -60 dBm.
Model 1067, 1067-522: +57 to -7 dBmV.

Output Flatness

±0.25 dB (at 10 dBm).

Attenuation

Range: 65 dB total; 50 dB in 10 dB steps plus 0 to 15 dB PIN diode attenuator.

Accuracy:

Step Attenuator: ±0.2 dB/10 dB.
 Vernier Attenuator: ±1 dB.

Output Connector Type

Model 1062: BNC.
Models 1067, 1067-522: F.

Spectral Purity

Harmonic and nonharmonic, <30 dBc (10 to 400 MHz).

Residual FM

Less than 10 kHz peak.

Horizontal Output

10 Vp-p symmetrical about ground.

Blanking

Blanking of RF output during retrace; removed for CW operation.

MARKER SYSTEM

RF Markers

Provision for up to 6 crystal controlled plug-in birdy bypass marker modules (see Options A-1, A-2 and A-3).

Marker Switches

Individual on/off switches are in the following combination. The first three pushbuttons control the first three markers; the fourth switch controls the fourth and fifth markers. The sixth marker position is always on; it is normally used for the external marker module, Option A-3.

Accuracy

±0.005%.

Amplitude

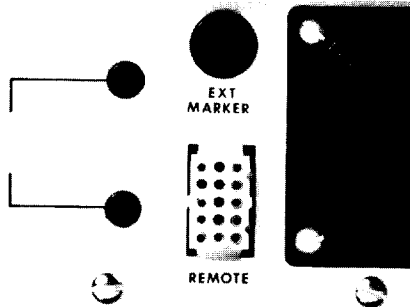
Adjustable from approximately 2 mV to 2 Vp-p.

Width

Adjustable from approximately 100 to 400 kHz.

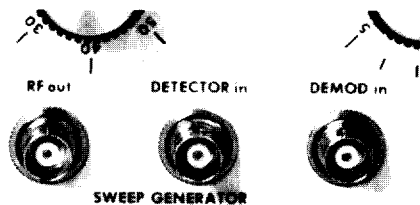
REMOTE PROGRAMMING

Rear panel jack connections for remote control of center frequency, sweep width and 0 to 20 dB vernier level control.



Rear Panel Inputs

SWEEP CHARACTERISTICS



Built-in Detector

Sweep Modes

Recurring, single sweep and trigger.

Sweep Rate

Continuously variable from less than 0.5 Hz to greater than 60 Hz.

GENERAL

Dimensions

28.6 cm (11 in.) wide; 10.2 cm (4 in.) high; 26.7 cm (10½ in.) deep.

Weight

3.7 kg (8¼ lb) net; 6.8 kg (12½ lb) shipping.

Power

115 or 230V ±10%; 50 to 400 Hz; approximately 25 watts.

OPTIONS

A-1

Single Frequency Marker.
 1 to 500 MHz. Specify frequency.

A-2

Harmonic Type Marker.
 Comb type frequency markers at 1, 5, 10, 50 or 100 MHz. Specify frequency.
NOTE: Harmonic type 0.1 MHz markers with associated 1.0 MHz markers are available.

A-3

External Marker.
 Marker provided by combining a CW signal (0.1V min. into 50Ω) from an external source through a rear panel BNC connector with a sample of the sweep oscillator signal.

ACCESSORIES

K015

Rack Mount Adapter.
 (P/N 1019-00-0119)

FACTORY/FOB

Beech Grove, IN