



RF TEST EQUIPMENT

FOR QUANTITATIVE MEASUREMENTS

JERROLD[®]

SHORT FORM CATALOG

SWEEP FREQUENCY GENERATORS



**THE WIDE PLUS NARROW SWEEP SIGNAL GENERATOR
MODEL 900-B**

An unusually stable sweep signal generator that covers all of your wide and narrow-band sweep needs (sweep widths as narrow as 10 kc and as wide as 400 mc) and eliminates the need for much of the additional test equipment until now required in laboratory test set-ups. An attenuator, marker generator, and scope preamplifier are built into the new Model 900-B. In addition, the device features a large, accurately-calibrated center-frequency dial and a metered output. Range from 500 kc to 1200 mc. Price **\$1980.00**



**THE WIDE BAND SWEEP GENERATOR
MODEL 900-A**

is a dual range (0.5 mc to 400 mc and 275 mc to 1200 mc) Sweep Generator which supplies a sweep signal centered at any frequency from 500 kc to 1200 mc with sweep widths ranging from 0.1 mc to 400 mc. The monitored, amplified rf output is flat at maximum sweep width within $\pm 1/2$ db up to 800 mc and within $\pm 1/2$ db from 800 mc to 1200 mc. Other features include provisions for external markers and a plug-in rf detector. Price **\$1260.00**

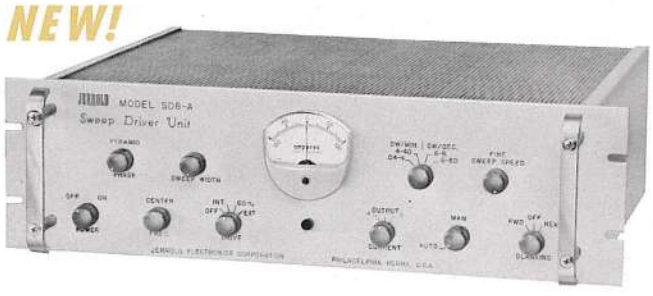


**THE ULTRA FLAT SWEEP GENERATOR
MODEL 707C/H***

Model 707C/H* is a precision variable rate sweep generator with an extremely flat rf output ($\pm 5/100$ db over highest single octave) for use in the laboratory or production test. It is particularly suitable for use with an X-Y plotter. The 707C/H* features: plug-in oscillator heads covering the range from 2 to 220 mc; high output power (+20 dbm below 100 mc); variable sweep rate (60 per sec. to 1 per 2 1/2 min.); and harmonics down 40 db over highest single octave (down 30 db over the entire range).

- Model 707C basic control unitPrice **\$595.00**
- Model H-71 plug-in oscillator (10-100 mc)Price **\$245.00**
- Model H-72 plug-in oscillator (20-200 mc)Price **\$245.00**
- Model H-73 plug-in oscillator (2-50 mc)Price **\$245.00**
- Model H-75 plug-in oscillator (45-220 mc)Price **\$295.00**

IMPORTANT! Shelf models of all equipment quoted in this catalog are for 50-ohm impedance, equipped with BNC connectors, except where stated otherwise; 75-ohm versions are available only on special order.



**SLOW-SPEED SWEEP DRIVER
MODEL SD-8A**

Jerrold's new Slow-Speed Sweep Driver Model SD-8A has been specially designed to serve as an accessory to Sweep Generator Models 900-A and 900-B. It permits slow sweep rates, variable from 1 sweep every 2 1/2 minutes to 15 sweeps per second; provides automatic or manual sweeping, and forward, reverse or no blanking. Power required 100 watts, 115/230 v ac, 50/60 cps. Shipped with jumper cable for connection to 900-A or 900-B. Designed for relay rack mounting, panel size 19 x 5 1/4 inches. Price **\$895.00**

**GENERAL PURPOSE SWEEP GENERATORS
MODELS 601 and 602**

Models 601 and 602 are portable sweep generators designed for the test and alignment of if and rf circuitry. The generators feature an electronic, saturable reactor sweep circuit with a maximum sweep deviation of approximately $\pm 60\%$ c.f. Fundamental frequency on all ranges. Model 601 covers 12 mc to 225 mc in eleven overlapping ranges. RF output of +7 dbm. Price **\$325.00**

Model 602—4 mc to 112 mc in eleven overlapping ranges. RF output of +20 dbm. RF output flatness assured by automatic leveling control circuit. Price **\$350.00**



for Quantitative Measurements By Comparison

NEW! VIDEO SWEEP GENERATOR MODEL 1015

Jerrold's new Model 1015 is a highly stable video sweep frequency generator designed for accurate measurements of frequency response of crystal filters and similar networks in the 1 kc to 15 mc frequency range.

The instrument can be switched to provide any one of three output modes: Wide-band sweep, covering the entire range from 1 kc to 15 mc; narrow-band, providing sweep width from 0 to 400 kc, centered anywhere between 1 kc and 15 mc; and CW operation between 1 kc and 15 mc.

Output level is +20 dbm. Residual FM due to noise, hum and jitter is below 10 cps p-p on CW or narrow sweep

operation. Distortion over the frequency range is at least 40 db down.

Sweeping can be done manually or automatically. Sweep repetition rates are continuously variable over 4 switchable ranges and a built-in marker generator permits display of marker birdies on the wide-band range. In addition, the instrument has provisions for connecting two external marker generators.

A built-in coaxial switch permits using the measurement-by-comparison method for fast production line tests.

A calibrated output meter and a well regulated power supply further enhance the accuracy of the instrument.

Price \$2540.00



Model 1015



Model LA-5100

NEW! RF PRECISION LOG AMPLIFIER MODEL LA-5100

Model LA-5100 is a highly accurate logarithmic amplifier for exact measurements of attenuation in filter networks, amplifiers, etc., which exhibit dynamic operating ranges down to 85 db. Model LA-5100 covers a frequency range from 500 kc to 100 mc. The required gain is developed in a precise logarithmic ratio—total rf response of device under test is linearly displayed in db on standard dc-coupled oscilloscope. The instrument features four calibrated switchable ranges (0-20 db linear, and 0-40 db, 0-60 db, 0-80 db logarithmic), a log-expand control for uncompressed viewing of first 5 db on each log range, and a direct-reading db meter for point-by-point measurements. Provided with external X-Y recorder input jack.

Price \$795.00

Model LA-5125, low frequency logarithmic amplifier, covering a frequency range from 25 kc to 100 mc, available on special order.

MARKER GENERATORS



Model CM-10 is similar to CM-6 but is for rack-mounting, w. up to 10 crystal-controlled marker signals between 100 kc and 100 mc and has a Marker Shape Control.

PORTABLE CRYSTAL MARKER GENERATOR MODEL CM-6

The CM-6 provides your choice of up to six crystal-controlled marker signals between 2 and 100 mc/s. In the higher frequencies, up to the 20th harmonic will be visible and up to the 10th harmonic will be visible in the lower frequencies. Proper choice and proper mixing will provide harmonic, side-band, or "birdie bypass" markers across a wide band width. The instrument features individual amplitude control, scope pre-amplifier, and provisions for the addition of external markers.



Model CM-6

CM-6 w. 6 crystalsPrice \$445.00
CM-10 w. 10 crystalsPrice \$615.00

MEASUREMENT COMPARATORS



HIGH-SPEED COAXIAL SWITCH MODEL FD-30

Model FD-30 comprises two, fully shielded Clare "Mercury-Wetted" switch elements mounted in a coaxial circuit which operates at a rate adjustable to 1/6, 1/3 or 1/2 of line frequency. At either 50 or 75-ohm impedance the VSWR is 1.1:1 from dc to 230 mc.

Price \$195.00

NEW! WIDE-BAND COMPARATOR MODEL FD-33

Model FD-33 is a wide-band comparator incorporating six high-speed coaxial mercury switches connected in a dual-SPDT switching circuit. Low VSWR from 0-230 mc; isolation between reference and test connections is 45 db at 230 mc; switching rate 1/6, 1/3 or 1/2 of line frequency. Power supply 115/230 v ac, 50/60 cps. Panel designed for 19" x 5 1/4" standard relay rack mounting.

Price \$435.00

MODEL FD-30R

Model FD-30R is a rack-mounting version of Model FD-30 for relay rack mounting. Dimensions of panel, 19 x 5 1/4 inches.

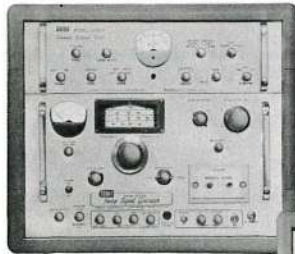
Price \$245.00



Model FD-33

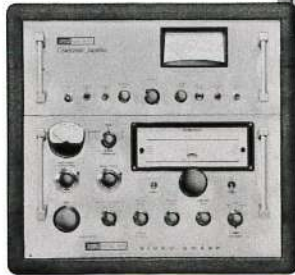
Each of these models provides for the simultaneous display on an oscilloscope of the output voltages of electronic devices under test and reference output voltages from another source for immediate and simple comparison. The use of either instrument insures a measurement free from errors due to detector square law characteristics, scope calibration, or non-linearity.

SPECIALS! INSTRUMENT COMBINATIONS ON SPECIAL ORDER



MODEL 900-BSD
Combines Sweep Signal Generator Model 900-B and Slow-Speed Sweep Driver Model SD-8A.

MODEL 900-ACM
Combines Sweep Frequency Generator Model 900-A and Marker Generator Model CM-10.



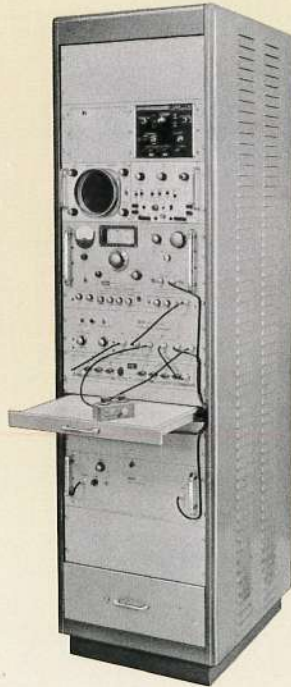
MODEL 1015-LA
Combines Video Sweep Generator Model 1015 and Logarithmic Amplifier Model LA-5100.

Other combinations available.

NEW! RETURN-LOSS ATTENUATION TEST SET MODEL 1902

Jerrold's new Model 1902 incorporates a complete test set-up for the accurate measurement of impedance, return-loss, attenuation, gain and VSWR of electronic components, and especially for fast quantitative measurements of return-loss, nominal impedance and attenuation of coaxial cables. The equipment comprises a Model 900-B Sweep Generator, a Model FD-33 Comparator, a Model AV-50R Attenuator, a Model SCA-213C-5BRP Amplifier, two RF Bridges, Models KSBV-5BP and KSBV-57BP, an Analab* Type 1100-R/200 Oscilloscope, and a set of miscellaneous attenuators, pads, standard terminations, with cable set, jacks and plugs. All instruments are housed in a 19" standard relay rack cabinet, completely assembled and tested prior to shipment. A Model SD-8A Slow Sweep Speed Driver is available on special order. The Moseley type translator pictured here is also optional. Price \$6,850.00

*A Subsidiary of The Jerrold Corporation



VARIABLE ATTENUATORS

PRECISION ATTENUATORS MODELS AV-50-AV-75- AV-50-2-AV-75-2

Featuring eight long-life, rotary switches with dual-wiping, self-aligning, silverplated contacts, these models provide precise attenuation from dc to 500 mc and are useful up to 800 mc for laboratory measurements. They exhibit a VSWR at 230 mc of 1.2:1 with a 0.3 db insertion loss. At 500 mc the VSWR is 1.4:1 with 0.6 db insertion loss. Models AV-50 and AV-75 are matched to 50 and 75 ohms respectively and provide attenuation from 0 to 62.5 db in 0.5 db steps. Models AV-50-2 and AV-75-2 are matched to 50 and 75 ohms respectively and provide attenuation from 0 to 82 db in 1 db steps. Connectors are "BNC" for 50 ohms and "N" for 75 ohms.

AV-50, AV-50-2Price \$160.00

AV-75, AV-75-2Price \$180.00



STANDARD ATTENUATORS MODELS A-500B, A-750B

These economy type units provide attenuation over a frequency range from dc to 230 mc. Matched to 50 and 75 ohms respectively with a VSWR of less than 1.2, each model contains 8 selector switches for attenuation settings from 0 to 82 db in 1 db steps. Insertion loss is 0.5 db. Price \$65.00

FIXED ATTENUATORS MODELS FA-*

are available in 6 attenuation values of 1, 2, 3, 6, 10 and 20 db; DC to 2,000 mc/s. Price \$20.00

MATCHING PADS
Model MLP-50/75N is a minimum loss pad matching BNC (50-ohm impedance) to "N" (75-ohm impedance) connectors. Loss is 5.7 db, VSWR 1.1:1 to 1200 mc. Price \$30.00

RF POST AMPLIFIER MODEL SCA-213ER

is a rack-mounting linear broad-band rf amplifier with a high linear gain of 22 db, covering the frequency range of 6 mc to 220 mc. Flatness is ± 0.5 db. Due to its excellent stability and high output capability this amplifier is suitable for a great variety of applications. Price \$350.00

RF POST AMPLIFIER MODEL SCA-213CR

is a cascaded dual model SCA-213ER with a gain of 44 db, with a flatness of ± 1 db. Designed for high gain requirements. Price \$685.00

RF BRIDGES

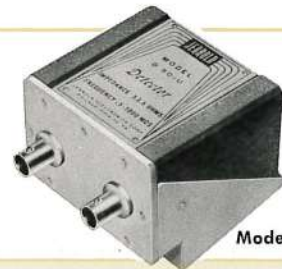
Jerrold Models KSB-series are rf bridges covering a frequency range from 4-230 mc. A variety of models are available for measuring return-loss of equipment, and return-loss and nominal impedance of coaxial cables. A KSBV-series with variable resistance and capacitance are also available.



Model KSB-75V



Model KSB-50V



Model D-50UB

RF DETECTORS MODELS D-50UB & D-75UN

Jerrold's external rf detectors Models D-50UB and D-75UN are full-wave, p-p bridging type detectors that convert rf energy into dc voltages for direct application to an oscilloscope or recorder, or to an oscilloscope preamplifier.

Model D-50UB is equipped with 50-ohm impedance connectors, Model D-75UN with 75-ohm impedance connectors.

Model D-50UBPrice \$55.00

Model D-75UNPrice \$65.00

Represented by: