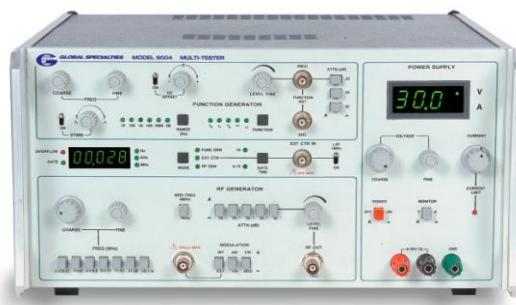


Test Equipment

Four-in-One Multi-Tester

Model 9004 4 Instrument Test Station

- The Model 9004 is great for service or Test bench & also for school labs.
- The touch of a button can select the 5 digit counter to accurately measure the Function Generator frequency, the RF Generator Freq or an External i/p signal.



Features:

- Unique combination of RF Generator, Function Generator, Frequency Counter & Power Supply
- Independent yet simple operation
- Excellent educational tool & service gear for the Engineer
- Logic Switch Operation is fast & easy
- 100 KHz to 110 MHz RF Generator
- 100 MHz, High Sensitivity Counter with 5 Digit Display
- 1 Hz to 1 MHz Function Generator
- Variable 32 V, 2A DC Power Supply with Adjustable Voltage and Current Limit
- Digital Readout for Voltage and Current
- 3-year Warranty

The 9004 combines some most needed Test Equipment in a very special way. It effectively gives you a 1 Hz to 110 MHz generator & a 60W Power Supply to power your test circuits. The professional will find it covers a broad spectrum of his test needs & the schools will see plenty of experiments with it. A very wide variety of experiments in Analog, Digital & RF can be performed with just this unit.

The unit is great for service or Test bench & also simple enough for a school lab. The touch of a button can select the 5 digit counter to accurately measure the Function Generator frequency, the RF Generator Freq or an External i/p signal. All functions are kept completely independent for FULL Functionality & there is no clutter of switches & knobs.

The RF Generator covers a frequency range all the way up to the commercial FM band. It also has fixed internal AM & FM modulation and also the facility of External modulation.

The Function Generator features Unipolar Square/Pulse outputs to directly interface to digital circuits, in addition to the standard Sine, Triangle, and Square. There are 2 Outputs-50 Ohm & 600 Ohm to match audio impedances.



Test Equipment

Four-in-One Multi-Tester

Specifications

Model		9004
RF SIGNAL GENERATOR		
CM Signal		100 MHZ to 110 MHz in 7 ranges & continuously variable over the whole range with a coarse and fine control
Modulation Frequency		a) Internal Modulation 30% b) External Modulation: Freq. Range 50Hz to 4kHz bandwidth ±3dB
Output Amplitude		200mV p-p at 75ohms
Attenuation		2 x 20 dB step and continuously variable 20 dB (approx.)
FM Signal		30 MHz to 110 MHz
Modulation Frequency		Selectable 400 Hz/1kHz
Frequency Modulation		a) Internal 30kHz (approx.) b) External Modulation: Freq. Range 50Hz to 4kHz bandwidth ±3dB
FREQUENCY COUNTER		
Readout		5 digit, 0.3 LED Display
Frequency Range		10Hz to 100MHz
Range Selection		Hz/KHZ/MHz selection is automatic depending on mode selected
Source Selection		Internal AM/FM/Internal Function/External Frequency/Logic Selected
Annunciation		GATE, OVERFLOW, Hz, KHz, MHz, INT, AM/FM, FUNCTION, EXT FREQUENCY
Gate Period		0.1 sec & 1 sec by LED indication for ext. counter mode
Sensitivity		50mV
Dynamic Range		50mV to 1V rms
FUNCTION GENERATOR		
Frequency		1 Hz to 1 MHz
Waveform		Sine, Square, Triangular, +pulse, -pulse, Ramp
Amplitude		30V p-p at 600 ohms & 50 ohms terminal (open circuit)
Attenuation		2 x 20 dB step & 20dB continuously variable
Output Impedance		600 ohms, 50 ohms
DC Offset		0 to ±15V max. (open circuit)
Sinewave Distortion		(Pulse Duty) <3%
Cycle		10% to 90% variable
Symmetry on/off		In off mode 50% duty cycle
POWER SUPPLY		
Reg. DC Power Supply		0 to 32V/2 Amp independent ON/OFF switchable
Display		3 digit, 0.5 LED Display for voltage or current switchable
Voltage		Coarse & Fine control
Current		0 to 2 Amp
Load Regulation		0.1%
Ripple		<5 mV
Current Limit		Desired current setting
Current Limit LED		Indicates when current limit is reached
GENERAL		
Power		115V/230V AC switchable ±10%, 47-65Hz, 125VA (max)
Dimensions		360 (W) x 190 (H) x 375 D mm
Weight		27lbs. approx.
ACCESSORIES		1. BNC to BNC Cable 2. BNC to Alligator Clip 3. Instruction Manual

Technical data subject to change without notice.



Mouser Electronics

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