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.



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Specifications

Specifications	
Model	9004
RF SIGNAL GENERATOR	
CM Signal	100 MHZ to 110 MHz in 7 ranges & continuously variable over the whole
CW Signal	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 750hms
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	2) 2.1011.d. 1104.114.190 001.2 to 111.2 24.14.114.1 2042
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
Annunciation	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	0 to 00 1/0 A or in domestical ON/OFF and to be to
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 Current	Coarse & Fine control
Load Regulation	0 to 2 Amp
Ripple	0.1%
Current Limit	Desired current setting
Current Limit LED	Indicates when current limit is reached
GENERAL	maiodico miori carrone mine lo rodonod
Power	115V/230V AC switchable ±10%, 47-65Hz, 125VA (max)
Dimensions	360 (W) x 190 (H) x 375 D mm
Weight	27lbs. approx.
g.n	1. BNC to BNC Cable
ACCESSORIES	2. BNC to Alligator Clip
	3. Instruction Manual

Technical data subject to change without notice.



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9004