

9004

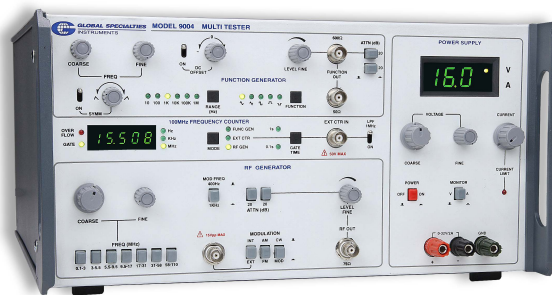
4-Instrument Test Station

Diagnostic Instruments

Unique 4-instrument-in-1 Test station

A one bench instrument that combines:

RF Signal Generator,
Frequency Counter,
Function Generator, &
Power Supply



Features:

- 100 kHz to 110 MHz RF generator with AM and FM capability
- 100 MHz, high sensitivity counter with 5 digit display
- 1 Hz to 1 MHz function generator with multiple waveforms
- Variable 32 V, 2 A DC power supply with adjustable voltage/current limits
- Variable 32 V @ 2 A DC power supply with adjustable voltage/current limits
- LED read out for power supply
- 120//240 V selectable input power

Overview:

The 9004 is a unique 4-instrument-in-1 test station. The 9004 combines an RF generator, frequency counter, function generator, and DC power supply into one bench-space-saving instrument. Global Specialties combined all of these features without compromising each individual instrument's operational integrity.

The RF generator has an output of 100 kHz to 110 MHz and AM and FM modulation capabilities. The frequency counter is highly sensitive and has a maximum range of 100 MHz with a 5 digit display. The function generator has an output range of 1 Hz to 1 MHz with multiple waveforms. The unit also includes a variable 32 V @ 2 A DC power supply with adjustable voltage and current limit.



Accessories

BNC to BNC
cableBNC to Alligator
ClipInstruction
Manual

Specifications	
RF SIGNAL GENERATOR	
AM Signal	100 kHz to 110 MHz in 7 ranges and continuously variable over the whole range with a coarse & fine control
Modulation Frequency	Selectable 400 Hz / 1 kHz
Output Amplitude	200 mV p-p at 75 Ω
Attenuation	2 x 20 dB step and continuously variable 20 dB
Modulation Frequency	Selectable 400 Hz / 1 kHz
Modulation Depth	a- Internal Modulation 30% b- External Modulation: Freq. Range 50 Hz to 4 kHz Bandwidth ± 3 dB
FM Signal	30 MHz to 110 MHz
FREQUENCY COUNTER	
Frequency Range	10 Hz to 100 MHz
Range Selection	Hz/KHz/MHz selection is automatic depending on mode selected
Source Selection	Internal AM/ FM/ Internal Function/ External Frequency - Logic selected.
Gate Period	0.1 sec & 1 sec by LED indication for ext. counter mode.
Sensitivity	50 mV
Dynamic Range	50 mV to 1 V rms.
FUNCTION GENERATOR	
Frequency	1Hz to 1 MHz
Waveform	Sine, Square, Triangular, +pulse, -pulse, Ramp.
Amplitude	30V p-p at 600 Ω & 50 Ω terminal (open circuit).
Attenuation	2x20 dB step & 20 dB continuously variable.
Output Impedance	600 Ω , 50 Ω
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 32 V / 2 Amp independent ON/OFF switchable
Voltage	Coarse & Fine control
Current	0 to 2 A
Load Regulation	0.1%
Current Limit	Desired current setting
Current Limit LED	Indicates when current limit is reached
GENERAL	
Power	120 V/240 V AC $\pm 10\%$, 47-65 Hz, 125 VA (max) switchable
Dimensions (W X H x D)	360 x 190 x 375 mm
Weight	27 lbs



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