

Aplab

3MHz FUNCTION GENERATOR FG3MD



Aplab's 3MHz Function Generator Model FG3MD is the answer to most engineer's test requirements. Low cost and numerous advantages make model FG3MD the best in the market today. The FG3MD can be used as a signal source to check amplifiers, filters, attenuators and also to generate in circuit based signals.

Description

The FG3MD is designed to provide the user with all the specifications of a good quality Function Generator while maintaining easy operability. The Frequency range is 0.03Hz to 3MHz. Frequency setting through coarse and fine controls makes quick adjustment possible.

Features

- Wide Frequency Range
- Sine, Triangle, Square, Ramp, Pulse, TTL (Sync) & DC Outputs
- Low Distortion
- High Resolution on Low Frequency
- Output Attenuation upto 80dB
- Variable DC Offset Control
- Four Digit Display with Frequency Indication in Hz, KHz, MHz / Amplitude display

Technical Specifications

FUNCTION GENERATOR

Frequency Range	: 0.03Hz to 3MHz in 8 decade ranges.
Frequency Indication Accuracy	: $\pm 1\%$ ± 1 digit.
Output Waveforms	: Sinusoidal, Triangle, Square, Ramp, Pulse, TTL (Sync) & DC Outputs.
Sine Distortion	: $< 1\%$ (typically).
Square Wave Rise/Fall Time	: ≤ 75 nsec.
Time Symmetry	: 10% to 90% variable.
Maximum Output Voltage :	
a) Into 50 ohms	: 10V p-p output.
b) Open Circuit	: 20V p-p output.
Amplitude Indication	: 3 digit seven segment display (Vp-p) $\pm 5\%$.
Amplitude Flatness	: ± 0.5 dB upto 300KHz range. ± 1.0 dB for 3MHz range.
Attenuator	: Two step attenuators of 20dB & 40dB. Fine attenuation of 20dB through vernier control.

Attenuator Accuracy	: ± 0.5 dB per 20dB at 1KHz.
DC Offset	: ± 10 V $\pm 5\%$ (DC + AC peak) in open circuit. ± 5 V $\pm 5\%$ (DC + AC peak) in 50 ohms.

POWER REQUIREMENT

Power	: 230V AC $\pm 10\%$, 47-53Hz. Optional 115V AC $\pm 10\%$, 57-63Hz.
Consumption	: 15VA.

GENERAL

Dimensions (mm)	: 270 (W) x 88 (H) x 310 (D).
Weight	: 3 Kg. (Approx.).

Standard Accessories

Instruction Manual	- 1 No.
BNC(M) to Alligator Clip	- 1 No.
Mains Cord	- 1 No.

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

Aplab Test & Measurement Instruments

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