

GWINSTEK GFG-8216A FUNCTION GENERATOR

TYPE: FUNCTION GENERATOR



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MAIN OUTPUT	
Frequency Range:	0.5Hz ~ 5MHz in 7 ranges
Amplitude:	> 10Vpp (into 50W load)
Impedance / Attenuator:	50W \pm 10% / -20dB \pm 1dB x 2
DC Offset:	<-5V ~ >+5V (into 50W load)
Duty Control:	80% : 20% : 80% to 1MHz continually variable
Display:	6 digit LED display

SINE WAVE	
Distortion:	\leq 1%, 0.5Hz ~ 100kHz THD \leq -30dB fundamental in all ranges (specification applied from MAX to 1/10 level)
Flatness:	\leq 0.3dB, below 500kHz

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TRIANGLE WAVE	
Linearity:	±98% 0.5Hz to 100kHz
	±95% 100kHz to 5MHz

SQUARE WAVE	
Symmetry:	±2% 1Hz ~ 100kHz
Rise/Fall Time:	£50ns at maximum output (into 50W load)

CMOS OUTPUT	
Level:	4Vpp ±1Vpp ~ 14.5Vpp ±0.5Vpp adjustable
Rise/Fall Time:	£120ns

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TTL OUTPUT	
Level:	3Vpp
Fan Out:	20 TTL Loads
Rise/Fall Time:	£25ns

VCF	
Input Voltage:	0V ~ 10V ±1V (100:1)
Input Impedance:	10kW ±10%

FREQUENCY COUNTER	
INT/EXT:	Switch selectable
Range:	0.5Hz to 5MHz (EXT 5Hz ~ 150MHz)
Accuracy:	Time base accuracy ±1 count
Time Base:	±20ppm (23°C ±5°C) after 30 minutes warm up
Resolution:	Maximum resolution is 100nHz for 1Hz and 1Hz for 100MHz
Input Impedance:	1MW // 150Pf

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Sensitivity:

£35mVrms (5Hz ~ 100MHz)

£45mVrms (100MHz ~ 150MHz)

OTHER DETAILS

Power Source:

AC 115V/230V \pm 15%, 50/60Hz

Accessories:

Power cord x 1
Instruction manual x 1

Dimensions / weight:

251mm (w) x 91mm (h) x 291mm (d)
/ 2.4kg approx

APPLICATIONS: Used to generate different signals.

CODE: DSE0FGGFG8216A0023.

MANUAL NO.:23