



**GFC-8010H (120MHz)**

The GFC-8010H is a Digital Frequency Counter, particularly suitable for educational and laboratory use. It features a stable 5ppm time base, a low pass filter and an overflow indicator with a maximum operating rate of 120MHz. The clear 8 digit LED display coupled with a quick easy-to-use interface makes it a handy instrument on any bench-top.

## FEATURES

- \* 10Hz ~ 120MHz Range
- \* 8 Digit Display (0.3" LED)
- \* 15mVrms High Sensitivity
- \* 5ppm High Stability Time Base
- \* Frequency and Period Measurement
- \* Low Pass Filter Function
- \* Over-Flow Indicator

## GTL-101 Test Lead

BNC-Alligator Heads



## SPECIFICATIONS

### MAIN

<b>Display Gate Time Accuracy</b>	8 Digit with Hz, kHz, MHz, S, mS, $\mu$ S, nS and overflow 0.1S, 1S, 10 S switch selectable $\pm(1 \text{ Digit} + \text{Time base accuracy})$
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### INPUT

<b>Sensitivity</b>	10Hz ~ 10MHz < 15mVrms 10MHz ~ 40MHz < 20mVrms 40MHz ~ 80MHz < 35mVrms 80MHz ~ 120MHz < 50mVrms
<b>Impedance</b>	1M $\Omega$ // 35pF
<b>Coupling System</b>	AC Coupling
<b>Max Input Voltage</b>	150Vrms

### TIME BASE

<b>Oscillation Frequency</b>	10MHz
<b>Aging Rate</b>	$\pm 1$ ppm per month
<b>Temp. Stability</b>	25°C $\pm 5^\circ\text{C}$ : $\pm 5$ ppm

### RESOLUTION

The maximum resolution is 1 $\mu$ Hz for 10Hz and 0.1Hz for 100MHz Input respectively for frequency measurement and 1nS for 10Hz and 0.1 x 10<sup>-13</sup> for 100MHz

### POWER SOURCE

AC 100V/120V/220V/230V  $\pm 10\%$ , 50/60Hz

### DIMENSIONS & WEIGHT

230(W) x 95(H) x 280(D) mm, Approx. 1.7kg

## ORDERING INFORMATION

**GFC-8010** 120MHz Digital Frequency Counter

### ACCESSORIES :

User Manual x 1, Power cord x 1  
Test Lead GTL-101 x 1