

# Digital Frequency Counter



## FEATURES

- \* 1Hz ~ 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

## GFC-8010H (120MHz)

### SPECIFICATIONS

#### DISPLAY GATE TIME ACCURACY

8 Digit with Hz, kHz, MHz, S, mS,  $\mu$ S, nS and overflow  
 0.1S, 1S, 10 S switch selectable  
 $\pm(1 \text{ Digit} + \text{Time base accuracy})$

#### INPUT

**Sensitivity** 10Hz ~ 10MHz < 15mVrms  
 10MHz ~ 40MHz < 20mVrms  
 40MHz ~ 80MHz < 35mVrms  
 80MHz ~ 120MHz < 50mVrms

**Impedance** 1M $\Omega$ /35pF

**Coupling System** AC Coupling

**Max Input Voltage** 150Vrms

#### TIME BASE

**Oscillation Frequency** 10MHz

**Aging Rate**  $\pm 1$  PPM per month

**Temp. Stability** 25 $^{\circ}$ C  $\pm 5$   $^{\circ}$ 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>-15</sup> for 100MHz

#### POWER SOURCE

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

#### ACCESSORIES

Instruction Manual x 1  
 Power cord x 1  
 Test Lead GTL-101 x 1

#### DIMENSIONS & WEIGHT

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

### ORDERING INFORMATION

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