

Instek Frequency Counter

Part No. 01FC8010

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GFC-8010H (120MHz)

- Frequency and Period measurement
- 1Hz ~ 120MHz range
- 8 Digits Display (0.3" LED)
- Over-Flow Indicator
- 15mVrms High Sensitivity
- 5 ppm High Stability Timebase
- Low Pass Filter Function

SPECIFICATIONS

Display	8 digits with Hz, kHz, MHz, GHz, S, mS, μ S, nS and overflow
Gate Time	0.1S, 1S, 10S switch selectable
Accuracy	$\pm(1 \text{ digit} + \text{Timebase accuracy})$

Input

Sensitivity	10Hz ~ 60MHz < 20mVrms <input type="checkbox"/> 60MHz ~ 100MHz < 30mVrms <input type="checkbox"/> 100MHz ~ 120MHz < 40mVrms
Impedance	1M Ω //35pF
Coupling System	AC Coupling
Max Input Voltage	150Vrms

Time Base

Oscillation Frequency	10MHz
Aging Rate	± 1 ppm per month
Temp. Stability	25°C \pm 5°C <input type="checkbox"/> ± 5 ppm

Resolution

The maximum resolution for frequency measurement is 100nHz for 1Hz and 0.1Hz for 100MHz input respectively, and for period measurement is 10nS for 1Hz and 0.1fS ($f=10^{-15}$) for 100MHz input respectively.

Power Source	AC 100V/120V/220V/230V \pm 10%, 50/60Hz
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Accessories	Instruction manual \times 1, Power cord \times 1, Test Lead GTL-101 \times 1
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Dimensions & Weight	230(W) \times 95(H) \times 280(D) mm, Approx. 1.7kg
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