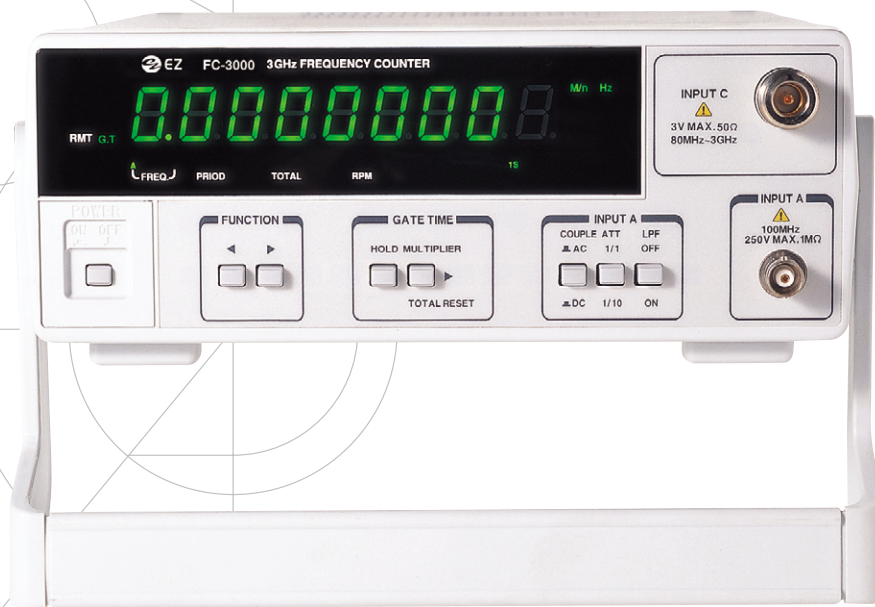


FC-3000



FEATURES

- Frequency measuring range : 0.1Hz to 100MHz in A input
80MHz to 3.0GHz in C input
- Period, Total and RPM measurement for input A
- 9 Digit display with 0.01mHz resolution in 1 Sec(By Ext. Reference signal)
- RS-232C serial interface function for communicating with computer
- High sensitivity external reference input function($\geq 1.5V_{rms}$)
- Reciprocal technique for high resolution at low counting frequencies
- Self check function executed to perform an automatic self diagnosis of various counter function
- Push-scanning for selecting function and gate time
- Low-pass filter(100kHz, -3dB) installed for removing noise signal in low frequency measuring
- AC/DC coupling function (Selectable AC/DC Coupling)
- 10:1 Input Attenuation (Selectable x1/x10 Attenuator)
- Data-Hold function

Specifications

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FUNCTION		SPECIFICATION				
Display		9 digit large green LED display, Overflow, Gate time, mHz, Hz KHz, MHz, nS, μ S, Ms, S, HOLD				
Frequency Measurement	Range	0.1Hz to 100MHz(A input), 80MHz to 3.0GHz(C input)				
	Gate Time	0.01Sec, 0.1Sec, 1Sec, 10Sec				
	Resolution	1nHz to 10Hz				
	Accuracy	\pm Resolution \pm Timebase Error \pm Count				
Input Characteristics	Terminal	A, C				
	Sensitivity	A input: 20mVrms, C input: 30mVrms				
	Impedance	A input: 1 Mohm, Less than 40pF, C input: 50 ohm				
	Max. Input Voltage	A input: 250Vrms, C input: 3Vrms				
	Attenuator	A input: x1, X10				
	Low Pass Filter	A input 100 kHz, -3dB				
Multi Function for Input A	Period	Range: 10mSec to 10 Sec Resolution : 1pSec to 1nSec depending on gate time and Input signal Accuracy: \pm Resolution \pm Trigger error \pm 1 Count				
	Totalize	Range: 5 Hz to 10 MHz Count capacity: 0 to 999999999(Max.)				
	RPM	6 ~ 900 x 10 ⁶ RPM				
Timebase Characteristics	Internal Timebase	Frequency: 100MHz TCO(TCXO; option) Aging Rate: Less than 5 x 10 ⁻⁹ /month Temp. Stability: Less than 5 x 10 ⁻⁶ (0°C ~ +50 °C) Line Voltage: Less than 1 x 10 ⁻⁶ for 10% variation				
	Frequency Standard Output	Frequency: 10MHz Amplitude: 1.5 Vp-p Impedance: Approx. 600ohm				
	External Standard Input	Frequency: 10MHz Amplitude: 1.5 Vrms to 5 Vrms Impedance: Approx. 600ohm				
General	Power Requirement	115/230 VAC +/-10%, 48 to 66 Hz				
	Operating Temperature	0 to 50°C (Accuracy specified at 25 +/-5°C)				
	Dimension	240(W) x 270(D) x 90(H)mm				
	Weight	Approx. 2.5kg				
	Standard Accessories	Power Cord, BNC to BNC cable, Fuse, instruction Manual				
	Optional Accessories	RS-232C Software, RS-232C Cable				
Packing Details		Q'ty	size(mm)	N.W.(kg)	G.W.(kg)	Remark
	Inner Packing	1	305(W) x 330(D) x 165(H)	2.0	2.5	
	Carton Packing	3	320(W) x 560(D) x 360(h)	7.5	8.5	