

CPM-8202 / CPM-8203 / CPM-8205 / CPM-8210

Function Generator



CPM-8202



CPM-8203



CPM-8205



CPM-8210

FEATURES

- Four functions in one : Sweep, Function Generator, Pulse Generator and Frequency Counter
- Output frequency : 10MHz (CPM-8210 model) / 5MHz (CPM-8205 model) / 3MHz (CPM-8203 model) / 2MHz (CPM-8202 model)
- Built-in frequency counter: CPM-8210 (100MHz, 7 digits)
CPM-8205 / CPM-8203 / CPM-8202 (50MHz, 6 digits)
- Various waveforms: Triangle wave, Square wave, Sine wave, Sawtooth wave, Ramp wave, Pulse wave, TTL, etc.
- Linear sweep, DC offset, 20dB attenuation and VCF / SYM control
- TTL leveled square wave output (CPM-8210 / CPM-8205 / CPM-8203 / CPM-8202)
- CMOS level square wave output (CPM-8205 / CPM-8203 / CPM-8202)
- Low distortion of below 1% in 10Hz ~ 100kHz

CPM-8202 / CPM-8203 / CPM-8205 / CPM-8210

SPECIFICATIONS

Model		CPM-8210	CPM-8205	CPM-8203	CPM-8202
Output characteristic	Waveform type	Sine, Square, Triangle, Ramp, Pulse, Sawtooth, TTL/CMOS Leveled Square, DC			
	Frequency range	0.1Hz ~ 10MHz	0.05Hz ~ 5MHz	0.03Hz ~ 3MHz	0.02Hz ~ 2MHz
		in 7 ranges	in 7 ranges	in 7 ranges	in 7 ranges
	Frequency error	±2% of full scale	±2% of full scale	2% of full scale	±2% of full scale
	Output level	20Vp-p in open circuit, 10Vp-p into 50Ω Load			
	Output impedance	50Ω ±5%			
	Attenuator	20dB			
Waveform	DC offset	±10V (±5V into 50Ω)			
	Sine wave	Flatness : ±3dB ~ 10MHz Distortion : Less than 1% (10Hz ~ 100kHz)			
	Square wave	Rise and Fall Time : 25nS (CPM-8205), 120nS (CPM-8210/8203/8202) or 140nS (CPM-8203) at 1MHz			
	Triangle wave	Linearity : Above 99% (0.2Hz ~ 100kHz)			
	TTL output	Rise and Fall Time : 30nS (CPM-8205) or 25nS (CPM-8210/8203/8202) at 1MHz Output Level : TTL Level (H ≥ 2.4 V, L ≤ 0.4 V)			
	CMOS output	Rise and Fall Time : 160nS (CPM-8203/8202) or 180nS (CPM-8205) at 1MHz Output Level : 4V ~ 15V ±1V, Variable			
	Symmetry variation	1:1 ~ 10:1			
Sweep function	Mode	Linear			
	Width	Variable from 1:1 ~ 100:1			
	Rate	0.5Hz ~ 50Hz (20mS ~ 2S)			
	External VCF input	Input Voltage : 0 ~ 10V / Input Impedance : Approx. 1KΩ			
Frequency counter	Display	7-digit green LED	66-digit green LED		
	Frequency range	INT 0.2Hz ~ 110MHz	2Hz ~ 50MHz	INT 0.2Hz ~ 50MHz	0.2Hz ~ 50MHz
	Tolerance	Timebase Error ±1 count			
	Low pass Filter	-3dB, 100kHz			
	Timebase	10MHz X-TAL, 20ppm			
	Input sensitivity	100mVrms			
	Max. input voltage	250Vp-p			
General specification	Power	AC 115V/230V ±10%, 48 ~ 66Hz			
	Operating temperature	0°C ~ 50°C (Accuracy specified at 25 ±5°C)			
	Dimension	240(W) x 260(D) x 95(H)mm			
	Weight	3kg	2kg		

STANDARD ACCESSORIES

- Power cord : 1ea
- BNC Cable : 1ea
- Spare fuse : 1ea
- User's guide manual : 1ea