Specification

ITEM	8110 CE	8120 CE	8130 CE	8140 CE	8150 CE
MAIN OUTPUT					
Frequency Range	0.1Hz to 2MHz in 7 Ranges(8130:0.1Hz to 5MHz,Up/Down Ranging)			0.1Hz to 10MHz in 8 Ranges	
Waveforms	Sine,Square,Triangle,Ramp,Pulse[Sweep(8120,8130,8150 Only),Trigger,Burst(Included EXT./RUN;8130 Only)]				
Amplitude	20 Vp-p , Open;[Output protected up to 30V (DC+AC)]				
Attenuator	0dB,-30dB				
Output Impedance	50Ω ± 10%				
DC Offset	+ 10V ~ − 10V				
Duty Control	80:20 to 20:80 Continuously Variable with 50:50 calibrated switch (Frequency unchanged :8110,8120,8140,8150)				
Freq . Accuracy	± 5% of full scale	Counter accuracy		± 5% of full scale	Counter accuracy
Distortion	<1% ,10Hz ~ 100KHz			<0.5% ,10Hz ~ 100KHz	
Rise/Fall Time	<100nS			<25nS	
V.C.F.	0 to +5V Control frequency to 1000:1				
Safety Requirements	Meets IEC -1010-1 (EN 61010-1)				
EMC Requirements	Yes		N/A		
SYNC OUTPUT					
Rise Time	<25nS		<40nS	<25nS	
Level	>3Vp-p(Open), 20 TTL Load		>4Vp-p	>1Vp-p	
SWEEP OUTPUT					
Type	N/A	Linear, Log	Linear, Log (With start and stop function)	N/A	Linear, Log
Width	N/A	>1000:1 , continuously variable		N/A	Same as 8120,8130
Rate	N/A	From 10mS to 5S, continuously variable.	From 100mS to 1S, continuously variable.	N/A	Same as 8120
Ramp Output	N/A	Yes		N/A	Yes
GATED BURST					
Burst Source	N/A		Manual/External	N/A	
Repetition Rate	N/A		DC to 1MHz [EXT.]	N/A	
External Level	N/A		TTL Level (Hi:Bust On Lo:Bust Off)	N/A	
Burst Frequency	N/A		As Dertermind by Frequency Output and External Signal	N/A	
FREQUENCY COUNTER					
Display	N/A	6 Digits 0.4" Green LED display with Hz,KHz,GATE,OVFL LED (MHz 8150 Only)		N/A	Same as 8120,8130
Mode	N/A	Func / Count		N/A	Func / Count
Attenuator	N/A	0dB,-30dB		N/A	0dB,-30dB
Accuracy	N/A	± (Time base accuracy +1 count)		N/A	Same as 8120,8130
Time Base	N/A	10MHz ± 10ppm(23℃ ± 5℃)		N/A	Same as 8120,8130
Resolution	N/A	0.1Hz,1Hz,10Hz,100Hz,1KHz		N/A	Same as 8120,8130
Gate Time	N/A	10S, 1S, 0.1S, 0.01S		N/A	Same as 8120,8130
Range	N/A	10Hz to 100MHz		N/A	10Hz to 100MHz
Sensitivity	N/A	≦25mVrms (10Hz to 10MHz), ≦50mVrms(10MHz to 100MHz)		N/A	Same as 8120,8130
Maximum Input	N/A	150Vrms		N/A	Same as 8120,8130
Input Impedance	1MΩ//100pF				
POWER	ACV115 / 230 , 60/50 Hz				
DIMENSION	262(W) x 85(H) x 260(D)				
WEIGHT	1.8 Kg	2.0 Kg	2.0 Kg	2.0 Kg	2.1Kg
ACCESSORIES	ACS-003 BNC to alligator clip cable x 1, Operation manual x 1				