



## SS7200A/7300/7400 - Features and Benefits



Delivery Detail: 1 week  
 Payment Terms: T/T, Western Union

- Minimum measuring resolution 11 digits/s
- Time resolution 50ps
- Maximum frequency's measurement can reach to 16 GHz (optional)
- Measures Frequency, Period, Duty Cycle, Frequency Ratio, Totalize, Phase Difference, Pulse Width, Time Interval and DCV
- Utility statistics functions of multi-average, maximum, minimum, PPM, standard deviation and Allan Variance for frequency measurement
- Stores 15 group status
- High-stability crystal oscillator is optional

Specifications	Model		SS7200A	SS7300	SS7400
	Measurement Resolution		8 digits /s	10 digits /s	11 digits /s
	Frequency	CH1	0.001Hz ~ 200 MHz		
		CH2	0.001Hz ~ 200 MHz		
		CH3	Optional: 3GHz / 6.5GHz / 12.4GHz / 16GHz		
	Period		5ns ~1000s	5ns ~1000s	5ns ~1000s
	Time Interval Range		10ns~10000s	10ns~10000s	1ns ~ 10000s
	Resolution		2.5ns	500ps	150ps
	Pulse Width		30ns~5000s	30ns~5000s	1ns ~ 10000s
	Duty Cycle		1%~99%		
	Totalize		0~1 × 10 <sup>13</sup>		
	Phase Difference		0°~360°	0°~360°	1°~359°
	DC Voltage		N/A	N/A	±19.99VDC
	Dynamic Range		50mVrms~1.0Vrms (Sine); 150mVP-P~4.5VP-P (Pulse)		
	Input Impedance		1MΩ//35pF or 50Ω		
	Input Attenuation		x1 or x10		
	Trigger level		-5.000V~+5.000V (Step 5mV)		
	Frequency Ratio		√		
	Up/Low Limit		"Limit" light on shows the result out of range, off shows within range		
Statistics Calculation		Multi-average, Max., Min., PPM, SD, Allan Variance			
Time Base	Nominal frequency		10MHz		
	Time base input		Frequency :5MHz or 10MHz Amplitude:≥1V <sub>p-p</sub>		
	Time base output		Frequency :10MHz Sine Amplitude:≥1V <sub>p-p</sub>		
	Standard Time Base		Accuracy:5×10 <sup>-8</sup> Daily Aging:1×10 <sup>-8</sup> /day		
	Optional Time Base		Accuracy:5×10 <sup>-8</sup> Daily Aging:5×10 <sup>-10</sup> /day		
Interface		Standard:USB Optional:RS232,GPIB	Standard:USB,RS232 Optional:GPIB	Standard:USB,RS232 Optional:GPIB	
Dimensions		375×105×235 mm			
Weight		4.2kg			

Channel Options	<b>CH3</b>	<b>Frequency Range</b>	<b>Dynamic Range</b>
	3GHz	100MHz~3GHz	-27dBm~+19dBm (100MHz~2.6GHz) -15dBm~+19dBm (2.6GHz~3GHz)
	6.5GHz	200MHz ~6.5GHz	-15dBm~+13dBm(200MHz~400MHz) -20dBm ~+13dBm(400MHz~6.0GHz) -15dBm ~+13dBm(6.5GHz~6.5GHz)
	12.4GHz	6.5GHz ~ 12.4GHz	-18dBm ~ +10dBm
	16GHz	6.5GHz ~ 16GHz	-18dBm ~ +10dBm(6.5GHz~12.4GHz) -15dBm ~ +10dBm(12.4GHz~16GHz)