

GSP-730 Specification

Frequency

Frequency Range	
Setting Range	150kHz to 3GHz
Center Frequency	
Setting Resolution	0.1MHz
Accuracy	within $\pm 50\text{kHz}$ (frequency span : 0.3GHz to 2.6GHz, 20 $\pm 5^\circ\text{C}$)
Frequency Span	
Setting range	1MHz to 3GHz
Accuracy	within $\pm 3\%$ (frequency span : 0.3GHz to 2.6GHz, 20 $\pm 5^\circ\text{C}$)
Resolution Bandwidth	
Setting Range	30KHz, 100KHz, 300KHz, 1MHz,
SSB Phase Noise	
-85dBc / Hz (typical, 500kHz offset, RBW : 30kHz, Sweep time: 1.5s, Span: 1MHz@1GHz)	
Inherent Spurious Response	
less than -45dBc @ -40dBm Ref. Level (typical less than -50dBc)	

Amplitude

Reference Level	
Input Range	+20 to -40dBm
Accuracy	Within $\pm 2\text{dB}$ (1GHz); SPAN: 5MHz
Unit	dBm, dBV, dB μ V
Average Noise Level	
$\leq -100\text{dBm}$ (typical, center frequency : 1GHz RBW : 30kHz)	
Frequency Characteristic	
within $\pm 3.0\text{dB}$ @ 300MHz~2.6GHz, within $\pm 6.0\text{dB}$ @ 80~300MHz, 2.6~3GHz	
Input	
Input Impedance	50ohm
Input VSWR	Less than 2.0@input att $\geq 10\text{dB}$
Input damage level	+30dBm (CW average power), 25VDC
Input connector	N connector

Sweep

Sweep Time	
Setting Range	300ms to 8.4s, auto (not adjustable)
Accuracy	within $\pm 2\%$ (frequency span : full span)

General

Communication	
Display	640*480 RGB color LCD
Interface	
RS-232C	Sub-D female-D 9 pins
USB Connector	USB Host/Device full speed supported
VGA Output	
Sub-D female 15 pins	
Power Source	
AC 100~240V, 50/60Hz	

Other

Operating Temperature	5 to 45°C (Guaranteed at 25 $\pm 5^\circ\text{C}$, without soft carrying case)
Operating Humidity	Less than 45°C / 90%RH
Storage Temperature	-20 to 60°C, less than 60°C / 70%RH
Dimensions	296 (L) \times 153 (W) \times 105 (H) mm
Weight	Approx. 2.2kg