

GSP-730 Specification

Frequency

Frequency Range	
Setting Range	150kHz to 3GHz
Center Frequency	
Setting Resolution	0.1MHz
Accuracy	within ± 50 kHz (frequency span : 0.3GHz to 2.6GHz, 20 $\pm 5^{\circ}$ C)
Frequency Span	
Setting range	1MHz to 3GHz
Accuracy	within $\pm 3\%$ (frequency span : 0.3GHz to 2.6GHz, 20 $\pm 5^{\circ}$ 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 ± 2 dB (1GHz); SPAN: 5MHz
Unit	dBm, dBV, dB μ V
Average Noise Level	
	≤ -100 dBm (typical, center frequency : 1GHz RBW : 30kHz)

Frequency Characteristic	
	within ± 3.0 dB @ 300MHz~2.6GHz, within ± 6.0 dB @ 80~300MHz, 2.6~3GHz

Input	
Input Impedance	50ohm
Input VSWR	less than 2.0@input att ≥ 10 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 $\pm 5^{\circ}$ 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

GRF-1300 Specification

Base Band		
Waveforms		Sine, Square, Triangle
Frequency Range		0.1~3MHz Step: 10kHz
Amplitude		$\geq 1.5V_{pp}$
Harmonics Distortion		$\leq -30dBc$
RF/FM Generator		
Frequency Accuracy		$\pm 0.15MHz$
Adjustable Range		$\geq 45MHz$ (870M ~ 920MHz) Step: 1MHz
Power Range		$\geq -15dBm$
FM		
Max Frequency Deviation		$>3MHz$
AM		
Peak Difference		$\geq -18dBm$
Interface		
		USB Device
Dimensions & Weight		
		165(W)*155(H)*90(D)mm, 1.2kg 6.5(W)*155(H)*90(D)mm, 2.6lb

GSP-730, 3GHz Spectrum Analyzer

Standard Accessories

Quick Start Manual *1
User Manual CD *1
Power Cord *1

GRF-1300, RF and Communication system trainer

Standard Accessories

Experiment Text Book, Student Version *1
Power Point File and Remote Control Software CD *1
RF Cable *3
Antenna *1
N to SMA Adaptor Connector *1
Power Cord *1

Option

GBK-001 Experiment text Book, Teacher Version

Free Download

Primary RF, Remote Control Software