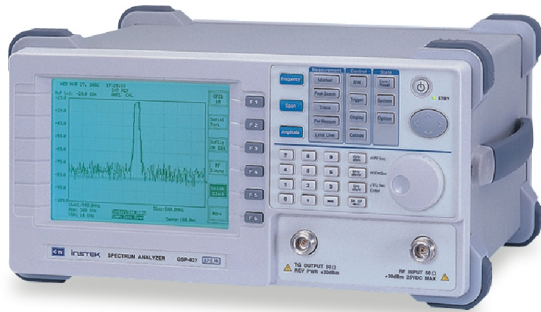


SPECTRUM ANALYZER

Spectrum Analyzer

NEW
CE



FEATURES :

Superior Performance

- * Frequency Range : 9kHz ~ 2.7GHz
- * Input Range : -100dBm ~ +20dBm
- * Average Noise Floor : -130dBm/Hz
- * Power Measurements : ACPR/OCBW/CH Power
- * Split Window: Simultaneous Measurements in Two Separate Frequency Spans
- * TG : 9kHz ~ 2.7GHz, -50dBm ~ 0dBm

Portable

- * Compact Size and Light Weight at 4.5kg
- * AC/DC/Battery Operation
- * 100 Trace/State Memories with Date/Time Stamp and File Name

Easy-To-Use

- * 10 Markers : Delta Mode, Peak Search, Peak Track
- * Trace Function : Dual-Trace Display, Peak Hold, Freeze, Average, Trace Math
- * Limit Line : Upper/Lower Limit with Pass/Fail Test
- * Trigger Function : Video/ External
- * Clock/Calendar : Time/Date Stamp in Saved Data
- * Wide Range of External Reference Clock:1MHz~19.2MHz

GSP-827 (9kHz~2.7GHz)

SPECIFICATIONS

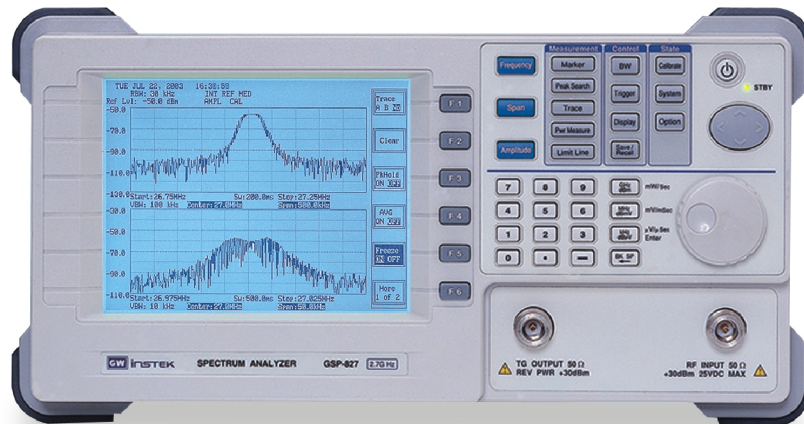
FREQUENCY	Frequency Range Aging Rate Span Range Phase Noise Sweep Time Range	9kHz ~ 2.7GHz ± 10ppm, 0 ~ 50°C, 5ppm/yr 2kHz ~ 2.5GHz in 1-2-5 sequence, full span, zero span -85dBc/Hz @1GHz 20kHz offset typical 100ms ~ 25.6s
RESOLUTION BANDWIDTH	RBW Range RBW Accuracy Video Bandwidth Range	3kHz, 30kHz, 300kHz, 4MHz 15% 10Hz ~ 1MHz in 1-3 steps
AMPLITUDE	Measurement Range Overload Protection Reference Level Range Accuracy Frequency Flatness Display Range Linearity	-100dBm ~ +20dBm: 1MHz ~ 2.5GHz @ 3k RBW -95dBm ~ +20dBm: 2.5GHz ~ 2.7GHz @ 3k RBW -70dBm ~ +20dBm: 150kHz ~ 1MHz @ 3k RBW -60dBm ~ +20dBm: 50kHz ~ 150kHz @ 3k RBW +30dBm, 25VDC -30dBm ~ +20dBm 1.5dB @ 100MHz 1.5dB 1.5dB over 70dB
DYNAMIC RANGE	Average Noise Floor Third Inter-Modulation Harmonic Distortion Non-Harmonic Spurious	-130dBm/Hz: 1MHz ~ 2.5GHz ; -125dBm/Hz: 2.5GHz ~ 2.7GHz -105dBm/Hz: 150kHz ~ 1MHz ; -95dBm/Hz : 50kHz ~ 150kHz <-70dBc @ -40dBm Input, 2MHz apart <-60dBc @ -40dBm Input <-60dB typical down from Reference Level 150k ~ 2.7GHz
GENERAL	Display Internal Memory Markers Trace Detection Power Measurement	640 x 480 high resolution graphical LCD, B & W 100 traces or Setup 10 Markers with complete ; functions: Delta , Peak , Marker Track Peak, Maximum hold, Freeze, Trace math ACPR, OCBW, Channel power
FEATURES	Marker Peak Search Number Power Measurement Limit Line Trigger Display Save / Recall Calendar and clock Interface Cal Signal	Mode : Normal and delta mode ; Number : Up to 10 in multi marker mode To peak, to center, next peak, peak right, peak left and peak track Number : 2 , tr A and B for display memory Functions : peak hold,average,freeze,math. detect:sample,peak+,AVG 1/2/3,quasi-peak ACPR x 2, OCBW, channel power Number : 2 , high and low ;Functions : Edit : Insert, Delete, Undo Pass/Fail Mode : continuous, single ; Source : video, external (0~5V rising edge) Setting : Trigger delay, trigger frequency Contrast, backlight ON/OFF, Invert screen ; split window : upper and lower 100 traces and setup RS-232C 100 MHz , -30dBm

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ISO-9001 & ISO-14001

SPECTRUM ANALYZER

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GSP-827 FRONT VIEW

SPECIFICATIONS

CONNECTORS	RF-Input External Reference Clock Input Reference Clock Output DC Input RS-232C	Type : N female, 50 Ω nominal RF input VSWR : <1.5:1 , @ 0dBm Reference Level Type : BNC female, 1M, 1.544M, 2.048M, 5M, 10M, 10.24M, 13M, 15.36M, 15.4M, 19.2M Type : BNC female, 10MHz Jack : 5.5mm, 12V Sub-D 9 pins female
POWER SOURCE		AC 100 ~ 240V, 48 ~ 63Hz
ACCESSORIES		Power cord x1 , Instruction manual x1 , Quick start manual x 1
DIMENSIONS & WEIGHT		330(W) x 170(H) x 340(D) mm, Approx. 4.5kg
OPTION		
Opt. 01 Tracking Generator	Frequency Range Amplitude Range Amplitude Accuracy Amplitude Flatness Harmonics Reverse Power Impedance RF Output VSWR	9kHz ~ 2.7GHz -50dBm ~ 0dBm $\pm 1\text{dB}@100\text{MHz}$, 0dBm $\pm 1.5\text{dB}@0\text{dBm}$ <-30dBc typical +30dBm Type: N female, 50 Ω nominal < 1.5 : 1
Opt. 02	AC/DC/Battery Operation with Battery pack	AC 100V ~ 240V , DC 12V and 10.8V Li-Ion battery pack x 2) < 1.5 : 1
Opt. 03	$\pm 1\text{ppm}$ Stability	$\pm 1\text{ppm}$, 0 ~ 50 $^{\circ}\text{C}$, $\pm 1\text{ppm}/\text{yr}$
Opt. 06	GPIB Interface	IEEE 488 bus
Opt. 07	Soft Carrying Case	GSC-001
Opt. 08	General Kit set	ADP-002: adaptor, SMA(J/F) ~ N(P/M) x 2 ATN-100: 10dB attenuator, N(J) ~ N(P) x 1 GTL-303: RF cable assembly (SMA(P), RD316, 600mm) x 2 GSC-002: Kit box x 1
Opt. 09	CATV Kit set	ADP-001: adaptor, BNC(J/F) ~ N(P/F) x 2 ADP-101: adaptor, BNC(P/M) 50 Ω ~ BNC(J/F) 75 Ω x 2 GTL-304: RF cable assembly (RG223, N(P)-N(J), 300mm) x 2 GSC-003: Kit box x 1
Opt. 10	RLB Kit set	GAK-001: termination 50 Ω , N(P) x 1 GAK-002: Cap with chain, N(P) x 1 GTL-302: RF cable assembly (RG223, N(J), 300mm) x 2 GSC-004: Kit box x 1
Opt. 11	DC Power Line	GTL-401: DC power cord with DC Jack and lighter plug, Current 5A

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ISO-9001 & ISO-14001