

GSP-8000 Spectrum Analyzer



Features

- Frequency Range:
 - - GSP-8800: 9kHz ~ 8.0GHz
 - - GSP-8380: 9kHz ~ 3.8GHz
 - - GSP-8180: 9kHz ~ 1.8GHz
- RBW: 1Hz ~ 1MHz in 1-3-5-10 steps
- VBW: 10Hz ~ 3MHz in 1-3-5-10 steps
- Phase Noise: -104 dBc/Hz
- Sensitivity: -160dBm/Hz Typical @PreAmp On
- Built-in AM/FM Demodulation
- Built-in Time Spec Function
- Measurement Function: ACPR/OCBW/CHPW, NdB BW, Pass-Fail, Freq. Counter, Noise Marker

MORE DETAIL ▼

Description ▼

The GSP-8000 series, brand new general spectrum analyzers from GW Instek, features three frequency ranges, namely 8.0GHz, 3.8GHz and 1.8GHz. The series is suitable for teaching research, R&D verification, and the test requirements of radio frequency products during production and development stages. The series provides 1Hz ~ 1MHz resolution bandwidth (RBW), 10Hz ~ 3MHz video bandwidth (VBW), -104dBc/Hz phase noise, a 20dB preamplifier, and the lowest noise floor of -160dBm/Hz (typical).

With respect to measurement applications, GSP-8000 has built-in Time Spec function, AM/FM signal demodulation function, channel test (Channel Power Measurement) function, Pass-Fail function, etc. The Time Spec function can simultaneously observe and display the correlation between power, frequency and time. ACPR/OCBW/CHPW tests can be used to test adjacent channels, power occupation bandwidth ratio, and channel power. The Pass-Fail function can be used to determine whether the signal is within the set range. Users can use these functions to conduct a wide range of measurement applications.

GSP-8000 utilizes a 10.4-inch TFT LCD large-size screen with XGA (1024*768) resolution to allow an easy observation of test signals. For communication interface, GSP-8000 provides two interfaces: USB and LAN. Through the USB Host, users can quickly retrieve the files stored after measurements, while USB Device and LAN interface allow users to control the instrument through dedicated PC software, or use the corresponding command set to design the required program.

GSP-8000 also provides two options, namely TG and EMI Filter. Customers need to decide the TG function when placing an order. Other options can be activated through the corresponding software authorization (Soft-Key), which greatly improves usage efficiency.

	GSP-8180	GSP-8380	GSP-8800
TG Option	V	V	X
EMI Option	V	V	V

Open via Keycode