



FSG-C Series of Field Signal Generators

The FSG series of Field Signal Generators complement Precision Test's FSM range of Field Strength Meters. The FSG series Field Signal Generators are synthesized units that will generate a CW signal over the +20 dBm to -20 dBm amplitude range. Parameters are set using the touch screen color display. The frequency can be adjusted in 500 Hz steps and the amplitude can be changed in 0.5 dB steps. Over ten different models cover the 20 MHz to 4 GHz frequency range. The FSG, when used in conjunction with a FSM Field Strength Meter, form a complete measuring system that is ideal in propagation studies of building and local areas.



- Many models to choose from covering the 10 MHz to 4 GHz frequency range.
- CW Signal Output from +20 dBm to -20 dBm switchable in 0.5 dB steps.
- Frequency range and step size can be altered to customer's requirements.
- Handheld portable units operating on rechargeable batteries.
- Typically three hours use between charges.
- Compliment Precision Test's FSM range of Field Strength Meters. Ideal for propagation studies of buildings and local areas.
- USB Interface with free software. Charge unit from USB interface.
- Solid metal case with soft case

Applications

The FSG Field Signal Generator when used in conjunction with the FSM series of field strength meters are ideal for the following applications:

1. Propagation study or mapping of radio systems including analog and digital systems.
2. Measurement of antenna performance of a cellular phone or two way radio.
3. Direction finding using a directional antenna.

The output of the FSG Generator is a powerful +20 dBm, and can be altered in 0.5 dB steps from +20 dBm down to -20 dBm.

The +20 dBm output level can be increased to 20W using the PA960B or PA2170 high power amplifiers.

Specifications

FSG100C	20 MHz to 100 MHz in 500 Hz to 100 kHz steps
FSG200C	100 MHz to 200 MHz in 1500 Hz to 100 kHz steps
FSG300C	200 MHz to 300 MHz in 500 Hz to 100 kHz steps
FSG400C	300 MHz to 400 MHz in 500 Hz to 100 kHz steps
FSG500C	400 MHz to 500 MHz in 500 Hz to 100 kHz steps
FSG900C	800 MHz to 900 MHz in 500 Hz to 100 kHz steps
FSG960C	890 MHz to 960 MHz in 500 Hz to 100 kHz steps
FSG1850C	1750 MHz to 1850 MHz in 500 Hz to 100 kHz steps
FSG2170C	1710 MHz to 2170 MHz in 500 Hz to 100 kHz steps
FSG2200C	2100 MHz to 2200 MHz in 500 Hz to 100 kHz steps
FSG2300C	2200 MHz to 2300 MHz in 500 Hz to 100 kHz steps
FSG2400C	2300 MHz to 2400 MHz in 500 Hz to 100 kHz steps
FSG2500C	2400 MHz to 2500 MHz in 500 Hz to 100 kHz steps
Frequency Accuracy	± 3 ppm @ 23°C
Generate Level Range	+20 dBm to -20 dBm
Generate Level Resolution	0.5 dB steps
Generate Level Accuracy	± 3 dB
Spurs and Harmonics	-40 dBc or better
Signal Type	CW
Display Type	Touch sensitive color display with back light
Battery Life	Three hours after full charge
Charger	100 – 260 VAC
Size	127 mm x 85 mm x 25 mm.
Weight	0.36 kg
Operating Temperature Range	+10 °C to +40 °C

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Specifications subject to change without notice (141016)