

JT-PSG9080B

Programmable signal generator



The programmable signal generator PSG9080 can generate many different waveforms such as sine, square, triangle, pulse and user-defined waves. The signal generator has a wide frequency range from 1nHz to 80MHz and a sampling rate of 300 MSa/s. The housing has a high-quality finish and offers non-slip feet to ensure a comfortable working environment.

Different signal modulation methods, such as frequency modulation, phase modulation, amplitude modulation, pulse width modulation and frequency shift keying, are no longer a challenge with this device. The integrated measuring function also makes it possible to measure the frequency, period and duty cycle of external signals and display them on the screen in real time.

MAIN FEATURES

Display type	TFT color LC display
Display size	3,5" (8,89 cm)
Connection	BNC signal terminals
Special features	2-channel signal generator, 1-channel frequency counter, various modulation functions, sweep function, VCO function

TECHNICAL SPECIFICATIONS

Modulation functions	AM, FM, PM, ASK, FSK, PSK, PWM, Burst
Sampling rate	300 MSa/s
Vertical wave resolution	14 Bit
Signal shapes	Sine, square, pulse, triangle, sawtooth (rising & falling), CMOS, DC, half wave, full wave, positive step wave, inverse step wave, exponential rise, exponential fall, Lorentz pulse, multi-sound wave, random noise wave, trapezoidal pulse wave, sink pulse wave, amplitude modulation waveform, frequency modulation,
Min. frequency resolution	1 nHz
Frequency accuracy	± 5 ppm
Frequency stability	± 3 ppm/Year
Permissible operating temperature	0 - 40 °C
Permissible operating humidity	< 80 %
Input voltage	85 V - 264 VAC / 47 - 63 Hz

The signal generator is very easy to operate with its intuitive button layout and high-resolution 3.5-inch color LCD. Moved settings can be saved in groups and thus called up again very quickly. The menu can also be displayed in German, English and French.

FREQUENCY RANGES

Sine	1 nHz - 80 MHz
Rectangle, pulse	1 nHz - 30 MHz
Triangle, arbitrary	1 nHz - 50 MHz
TTL	1 nHz - 20 MHz

FURTHER INFORMATION

Dimensions	219 x 240 x 160 mm
Weight	1030 g
Item number	JT-PSG9080B
Scope of delivery	Signal generator, 2x BNC signal terminals, connection cable
Customs tariff number	85432000
EAN	4250236827636