

## GPS-SA3000X Series Competitive Comparison Table

Model	GPS-SA3032X GPS Ltd.	DSA815 Rigol	DSA832 Rigol	GSP-9300 GWINSTEK	N9320B Keysight
Frequency Range	9 kHz~3.2 GHz	9 kHz~1.5 GHz	9 kHz~3.2 GHz	9 kHz~3 GHz	9 kHz~3 GHz
Displayed Average Noise Level (DANL)	<-161 dBm	<-161dBm	<-161 dBm	-108 dBm	< -148 dBm
phase noise (typical)	-98 dBc/Hz @1 GHz, 10 kHz Offset	-80dBc/Hz @10 kHz Offset	-98 dBc/Hz @10 kHz offset	-88 dBc/Hz @10 kHz Offset	-88 dBc/Hz @10 kHz Offset
Total amplitude accuracy	<0.7 dB	<1.5 dB	<0.8 dB	<1.5 dB	<1.5 dB
Resolution Bandwidth (RBW)	10 Hz ~ 1 MHz, in 1-3-10 sequence	100 Hz ~ 1 MHz, in 1-3-10 sequence	10 Hz ~ 1 MHz, in 1-3-10 sequence	10 Hz~3 kHz, in 1-3-10 sequence 10 kHz~1 MHz, 10% adjustable step	10 Hz ~ 1 MHz, in 1-3-10 sequence
Preamplifier	Standard	Standard	Option	Standard	option
Tracking Generator (TG)	Option, 9 kHz ~3.2 GHz	Option, 9 kHz~1.5	Option,9 kHz~3.2 GHz	Option, 100 kHz~3	Option, 100 kHz ~ 3 GHz
Reflection Measurement Kit	Option	Option	Option	Not supported	Option
Third-order intercept(TOI)	10 dBm (attenuation =0 dB)	10 dBm (attenuation =10dB)	11dBm (attenuation = 10dB)	1 dBm (attenuation = 0 dB)	10 dBm (attenuation = 0 dB)
EMI filter	Option	Option	Option	Not supported	Option
Quasi-peak detector	Option	Option	Option	Not supported	Not supported
Display	10.1" TFT LCD, 1024*600	8" TFT LCD, 800*480	8.5" TFT LCD, 800*480	8.4" LCD, 800*600	6.5" LCD, 640*480
PC software	Standard	Option	Option	Standard	Standard