Analyzer Features and Options Table

March 04, 2022

Selecting the proper instrument for your application can be challenging.

Here are tables that identify key features and options of SIGLENTs analyzer products to help you choose exactly what you need:

SIGLENT Analyzer Features:

	Model	Swept Analyzer Bandwidth	TG Frequency Range	VNA (S11,S21) Range	DANL	RBW	Touch Screen, Web Control, Mouse/Keyboard Support	Real Time
SSA3000X Series	SSA3021X	9 kHz - 2.1 GHz	100 kHz - 2.1 GHz	–	-161 dBm/Hz	1 Hz - 1 MHz	–	–
	SSA3032X	9 kHz - 3.2 GHz	100 kHz - 3.2 GHz	–	-161 dBm/Hz	1 Hz - 1 MHz	–	–
SSA3000X Plus Series	SSA3015X Plus	9 kHz - 1.5 GHz	100 kHz - 1.5 GHz	–	-156 dBm/Hz	1 Hz - 1 MHz	Included	–
	SSA3021X Plus	9 kHz - 2.1 GHz	100 kHz - 2.1 GHz	–	-161 dBm/Hz	1 Hz - 1 MHz	Included	–
	SSA3032X Plus	9 kHz - 3.2 GHz	100 kHz - 3.2 GHz	–	-161 dBm/Hz	1 Hz - 1 MHz	Included	–
	SSA3075X Plus	9 kHz - 7.5 GHz	100 kHz - 7.5 GHz	–	-165 dBm/Hz	1 Hz - 3 MHz	Included	–
SVA1000X Series	SVA1015X	9 kHz - 1.5 GHz	100 kHz - 1.5 GHz	100 kHz-1.5 GHz	-156 dBm/Hz	1 Hz - 1 MHz	Included	–
	SVA1032X	9 kHz - 3.2 GHz	100 kHz - 3.2 GHz	100 kHz-3.2 GHz	-161 dBm/Hz	1 Hz - 1 MHz	Included	–
	SVA1075X	9 kHz - 7.5 GHz	100 kHz - 7.5 GHz	100 kHz-7.5 GHz	-165 dBm/Hz	1 Hz - 3 MHz	Included	–

	Model	Swept Analyzer Bandwidth	TG Frequency Range	VNA (S11,S21) Range	DANL	RBW	Touch Screen, Web Control, Mouse/Keyboard Support	Real Time
SSA3000X-R Series	SSA3032X-R	9 kHz - 3.2 GHz	100 kHz - 3.2 GHz	100 kHz-3.2 GHz	-165 dBm/Hz	1 Hz - 3 MHz	Included	Included
	SSA3050X-R	9 kHz - 5 GHz	100 kHz - 5 GHz	100 kHz-5 GHz	-165 dBm/Hz	1 Hz - 3 MHz	Included	Included
	SSA3075X-R	9 kHz - 7.5 GHz	100 kHz - 7.5 GHz	100 kHz-7.5 GHz	-165 dBm/Hz	1 Hz - 3 MHz	Included	Included
SSA5000A Series	SSA5083A	9 kHz - 13.6 GHz	-	-	-165 dBm/Hz	1 Hz - 10 MHz	Included	25 MHz (option), 40 MHz (option)
	SSA5085A	9 kHz - 26.5 GHz	-	-	-165 dBm/Hz	1 Hz - 10 MHz	Included	25 MHz (option), 40 MHz (option)

SIGLENT Analyzer Options:

	Model	Swept Analyzer Bandwidth	Options	AMK details	Digital Modulation (DMA option) details	EMI Option details
SSA3000X Series	SSA3021X	9 kHz - 2.1 GHz	AMK, EMI, REFL (1)	CHP/ACPR/TOI/OBW/Monitor	–	200 Hz,9 kHz,120 kHz
	SSA3032X	9 kHz - 3.2 GHz	AMK, EMI, REFL (1)	CHP/ACPR/TOI/OBW/Monitor	–	200 Hz,9 kHz,120 kHz

	Model	Swept Analyzer Bandwidth	Options	AMK details	Digital Modulation (DMA option) details	EMI Option details
SSA3000X Plus Series	SSA3015X Plus	9 kHz - 1.5 GHz	AMK, EMI, REFL, AMA, DMA (2)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SSA3021X Plus	9 kHz - 2.1 GHz	AMK, EMI, REFL, AMA, DMA (2)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SSA3032X Plus	9 kHz - 3.2 GHz	AMK, EMI, REFL, AMA, DMA (2)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SSA3075X Plus	9 kHz - 7.5 GHz	AMK, EMI, REFL, AMA, DMA (2)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
SVA1000X Series	SVA1015X	9 kHz - 1.5 GHz	AMK, EMI, REFL, AMA, DMA (3)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SVA1032X	9 kHz - 3.2 GHz	AMK, EMI, REFL, AMA, DMA (3)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SVA1075X	9 kHz - 7.5 GHz	AMK, EMI, REFL, AMA, DMA (3)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
SSA3000X-R Series	SSA3032X-R	9 kHz - 3.2 GHz	AMK, EMI, REFL, AMA, DMA (4)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SSA3050X-R	9 kHz - 5 GHz	AMK, EMI, REFL, AMA, DMA (4)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz
	SSA3075X-R	9 kHz - 7.5 GHz	AMK, EMI, REFL, AMA, DMA (4)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	ASK/FSK/PSK/QAM	200 Hz,9 kHz,120 kHz,1 MHz

	Model	Swept Analyzer Bandwidth	Options	AMK details	Digital Modulation (DMA option) details	EMI Option details
SSA5000A Series	SSA5083A	9 kHz - 13.6 GHz	AMK, Preamplifier, OCXO, Real time (25 MHz), Real time (40 MHz), upgrade to 26.5 GHz	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	-	-
	SSA5085A	9 kHz - 26.5 GHz	AMK, Preamplifier, OCXO, Real time (25 MHz), Real time (40 MHz)	CHP/ACPR/TOI/OBW/Monitor/Harmonic/CNR	-	-

Tracking Generator included free with all SSA3000X, Plus, SVA, and X-R series analyzers

1- SSA3000X options
AMK – Advanced measurement kit
EMI – Electromagnetic Precompliance option
REFL- VSWR/Reflection coefficient measurement option requires an external return loss bridge or coupler like SIGLENT RB3X25

2- SSA3000X Plus options
AMK – Advanced measurement kit
EMI – Electromagnetic Precompliance option
REFL- VSWR/Reflection coefficient measurement option requires an external return loss bridge or coupler like SIGLENT RB3X25
AMA- Analog Modulation Analysis
DMA- Digital Modulation Analysis

3- SVA1000X Options
AMK – Advanced measurement kit
EMI – Electromagnetic Precompliance option
AMA- Analog Modulation Analysis
DMA- Digital Modulation Analysis

4- SSA3000X-R Options
AMK – Advanced measurement kit
EMI – Electromagnetic Precompliance option
AMA- Analog Modulation Analysis
DMA- Digital Modulation Analysis

Here are quick links to the product categories:

SSA5000A

SSA3000X-R

SSA3000X Plus

SSA3000X

SVA1000X

North American Headquarters

SIGLENT Technologies NA
6557 Cochran Rd Solon, Ohio 44139
Tel: 440-398-5800
Toll Free:877-515-5551
Fax: 440-399-1211
info@siglent.com
www.siglentamerica.com/

European Sales Offices

SIGLENT TECHNOLOGIES GERMANY GmbH
Staetzlinger Str. 70
86165 Augsburg, Germany
Tel: +49(0)-821-666 0 111 0
Fax: +49(0)-821-666 0 111 22
info-eu@siglent.com
www.siglenteu.com

Asian Headquarters

SIGLENT TECHNOLOGIES CO., LTD.
Blog No.4 & No.5, Antongda Industrial Zone,
3rd Liuxian Road, Bao’an District,
Shenzhen, 518101, China.
Tel:+ 86 755 3661 5186
Fax:+ 86 755 3359 1582
sales@siglent.com
www.siglent.com/ens