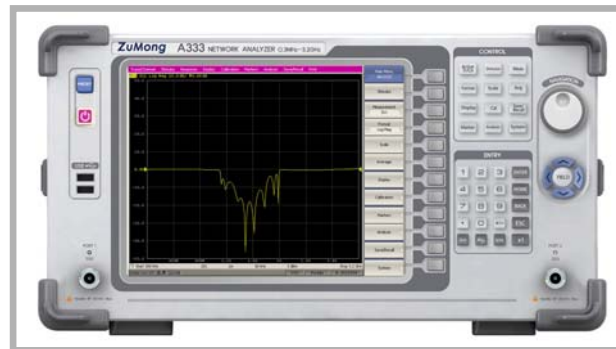


Network Analyzer



GS Instruments Co., Ltd.

Comparison of Specification and Options

**A333(GSI), E5062A(Agilent),
MS4622(Anritsu), ZVL3(R&D)**

Specification Comparison

	Item	A333(GSI)	E5062A(Agilent)	MS4622B(Anritsu)	ZVL3(R&D)
frequency	Range	300kHz ~ 3.2GHz	300kHz ~ 3GHz	10MHz ~ 3GHz	9kHz ~ 3GHz
	Resolution	1mHz	1Hz	1Hz	1Hz
	Accuracy	± 5ppm	± 5ppm	± 5ppm	± 5ppm
Amplitude	Range	-45dBm ~ +10dBm	-5dBm ~ +10dBm (option : -45dBm ~ +10dBm)	-85dBm ~ +10dB (No Option)	-60dBm ~ +10dB (No Option)
	Resolution	0.1dB	0.05dB	0.05dB	0.01dB
	Accuracy	± 0.8dB	± 1dB	± 1dB	± 1dB
	Linearity	± 0.1dB	± 0.75dB	± 0.1dB	± 0.3dB
	harmonic distortion	-30dBc	-30dBc	-30dBc	-35dBc
	damage level	+ 20dBm	+ 20dBm	+ 30dBm	+ 30dBm
	damage DC voltage	25V	30V	30V	15V
	Noise level (cross talk)	300kHz ~3MHz / -117dBm	300kHz ~ 3GHz / -110dBm	10MHz ~50MHz / - 100dBm	9kHz ~1MHz / > - 100dBm
		3MHz ~ 2,700MHz / - 122dBm		50MHz ~ 3GHz / -115dBm	1MHz ~ 10MHz / -110dBm
		2,700MHz ~ 3,200MHz / -117dBm			10MHz ~ 3GHz / -140dBm
	Dynamic range	300kHz ~3MHz / >115dB	0.3MHz ~ 1MHz / >115dB	9kHz ~ 1MHz / >75dB	10MHz ~ 50MHz / >114dB
3MHz ~ 2,700MHz / >125dB		1MHz ~ 3GHz / >120dB	1MHz ~ 7MHz / >85dB	800MHz ~ 1.9GHz / >129dB	
2,700MHz ~ 3,200MHz / >120dB			7MHz ~ 3GHz / >115dB	1.9GHz ~ 3GHz / >128dB	
Interface / etc	USB	2	1	Not supported	2
	Mouse/Key board	2	Option	Not supported	Not supported
	Port Impedance	50/75ohm	50/75ohm	50/75ohm	50/75ohm
	Sweep time	25ms	35ms	35ms	5ms
	Touch Screen	Standard	Option	Not supported	Not supported