

	Transcom	Keysight	PicoTech	Anritsu	Tektronix	Copper Mountain
Product Model	T6 / T4	P9371A / P9370A	PicoVNA106	MS46122A-010	TTR500	S5065
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Test Port Connector	N-type, female	SMA female	N-type, female	N-type, female	N-type, female	N-type, female
Number of Test Ports	2	2	2	2	2	2
Frequency range	1 MHz - 4 GHz 1 MHz - 6.5 GHz	300 KHz - 6.5 GHz 300 KHz - 4.5 GHz	300 KHz - 6 GHz	1 MHz - 8 GHz	100 kHz~6.0GHz	9 kHz~6.5GHz
Full CW Frequency Accuracy	± 5 ppm	± 1 ppm	10 ppm max	± 1 ppm	± 7 ppm	± 5 ppm
Frequency Resolution	10 Hz	300 kHz to 2.5 GHz - 1Hz, > 2.	10 Hz	1Hz	1Hz	1Hz
Number of Measurement Points	2 to 10001	2 to 10001	2 ~ 10001	2 to 16001		2 to 200,001
Measurement Bandwidths	10 Hz to 100 kHz	1 Hz to 1.2MHz	10 Hz to 140 KHz	10 Hz to 300 kHz		1 Hz to 100 kHz
Dynamic Range	117dB, typ.121dB	115 dB	118 dB	100dB, typ.115dB	122dB	125 dB
Measurement Parameters	S11, S21, S12, S22	S11, S21, S12, S22	S11, S21, S12, S22	S11, S21, S12, S22	S11, S21, S12, S22	S11, S21, S12, S22
Effective Directivity	42 dB	38 - 42 dB	40 dB	42 dB	36 dB	46 dB
Effective Load Match	42 dB	38 to 42 dB	40 dB	42 dB	36 dB	46 dB
Test Port Output						
Power Range	T6 : 5 dBm to -50 dBm T4 : 5 dBm to -30 dBm	7 dBm to -40 dBm	-20 dBm to +6 dBm	-3dBm to -20dBm	7 dBm to -50 dBm	5 dBm to -55 dBm
Power Accuracy	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB	± 1.5 dB
Test Port Input						
Damage Level	23 dBm	20 dBm	20dBm	23 dBm	± 24 dB	23 dBm
Damage DC Voltage	± 35 VDC	± 35 VDC	±15VDC	± 50 VDC	± 30 V	± 35 VDC
Noise Level(IF Bandwidth 10 Hz)	-115 dB	-112 dB	-108 to -118dB	-100 to -115dB	-125 dB to -130 dB	-130 dB
General Data						
Display	USB Connected PC	USB Connected PC	USB Connected PC	USB Connected PC	USB Connected PC	USB Connected PC
External Reference Input	SMA female; 10 MHz; 2 dBm ± 3 d	SMB ; 10 MHz; 10 dBm	10 MHz; 0 dBm ± 3 dB	BNC Female;10MHz;10dBm	SMA female; 10 dBm	BNC Female ; 10 MHz; 5 dBm
External Reference Output	SMA female; 10 MHz; 3 dBm ± 2 d	SMB ; 10 MHz; 10 dBm	10 MHz; 0 dBm ± 3 dB	BNC Female;10MHz;10dBm	SMA female; > 5 dBm	BNC Female ; 10 MHz; 5 dBm
Operating Temperature Range	+5° C ~ +40° C	0 to 55° C	+5° C ~ +40° C	0 to 50° C	5 to 50° C	0 to 55° C
Storage Temperature Range	-45° C ~ +55° C	-40° C to +70° C	-20° C to +50° C	-40° C to +75° C	-40° C to +70° C	-50° C to +70° C
Warm up time	40 min	60 min	60 min	30 min	30min	60 min
Humidity	95 % (+25° C)	95 % (+40° C)	80%	95 % rel. humidity(+40° C)	80 %(+30° C)	95 % (+25° C)
Calibration Interval	3 Yr	1 Yr	1 Yr	1 Yr	1 Yr	3 Yr
Power Supply	220 ± 22 V (AC), 50 Hz	220 ± 22 V (AC), 50 Hz	220 ± 22 V (AC), 50 Hz	220 ± 22 V (AC), 50 Hz	100 to 240 V AC, 50/60 Hz	110-240 V, 50/60 Hz
Power Consumption	18 W	62 W	22 W	56W	20w	62 W
Dimensions (W × H × D) mm	290x175x62	176x48x333	286 × 176 × 61	328 × 61 × 197	206 × 44 × 285	176x48x333
Weight	2.5 Kg	1.9 Kg	1.85 Kg	2.2 Kg	1.59 Kg	1.9 Kg
Command Expert & programming languages	LabVIEW	Excel, MATLAB, LabVIEW, VEE, and System VUE	MATLAB, LabVIEW, Python	National Instruments, LabVIEW and LabWindows, C#, .NET, MATLAB, and Python	LabVIEW	Excel, MATLAB, LabVIEW, VEE, and System VUE