

# FieldFox Microwave Analyzers

## B-Series vs. A-Series Specifications

Key Specifications	N991x/3xB	N991x/3xA	N995xB/6xB	N995x/6xA	N9912A	N9923A
<b>Spectrum analysis</b>						
Frequency range	9 kHz to 26.5 GHz	100 kHz to 26.5 GHz	9 kHz to 54 GHz	9 kHz to 50 GHz	100 kHz to 6 GHz	—
DANL at 1 GHz	-163 dBm	-154 dBm	-163 dBm	-158 dBm	-148 dBm	—
Phase noise (at 1 GHz CF, 10 kHz offset)	-117 dBc/Hz	-111 dBc/Hz	-113 dBc/Hz	-111 dBc/Hz	-88 dBc/Hz	—
Amplitude accuracy	±0.2 dB	±0.5 dB	±0.18 dB	±0.5 dB	±1.5 dB	—
Input attenuator range	40 dB	30 dB	40 dB	30 dB	31 dB	—
Real-time bandwidth	120, 40 or 10 MHz	10 MHz	120, 40 or 10 MHz	10 MHz	—	—
<b>Vector network analysis*</b>						
Frequency range	30 kHz to 26.5 GHz	30 kHz to 26.5 GHz	300 kHz to 54 GHz	300 kHz to 50 GHz	2 MHz to 6 GHz	2 MHz to 6 GHz
Output power	+9 dBm	+1 dBm	+6 dBm	+4 dBm	+8 dBm	+5 dBm
Dynamic range	117 dB	100 dB	119 dB	110 dB	72 dB	90 dB
Calibration	CalReady, Mech, eCal	CalReady, Mech, QuickCal, eCal	CalReady, Mech, eCal	CalReady, Mech, eCal	CalReady, Mech, QuickCal	CalReady, Mech, QuickCal
<b>General</b>						
GNSS/GPS receiver	GNSS/GPS	GPS only	GNSS/GPS	GPS only	—	—
Battery operating time	4 hours	3.5 hours	4 hours	3.5 hours	4 hours	4 hours
Environmental	MIL-PRE-28800F and IP53	MIL-PRE-28800F and IP53	MIL-PRE-28800F and IP53	MIL-PRE-28800F and IP53	MIL-PRE-28800F	MIL-PRE-28800F
Weight	7.35 lb. / 3.34 kg	6.6 lb. / 3 kg	7.35 lb. / 3.34 kg	7.1 lb. / 3.2 kg	6.2 lb. / 2.8 kg	6.0 lb. / 2.7 kg

\* For N991xA/B, N9923A, N995xA/B only



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