

FieldFox Handheld Analyzers

Key specification comparisons among C-, B-, and A-series

Key specifications	N9912C	N991x/3xC	N991x/3xB	N991x/3xA	N995x/6xB	N995x/6xA
Spectrum analysis*						
Frequency range	3 kHz to 4, 6.5, or 10 GHz	3 kHz up to 10 GHz	9 kHz up to 26.5 GHz	100 kHz up to 26.5 GHz	9 kHz up to 54 GHz	9 kHz up to 50 GHz
DANL at 1 GHz	-165 dBm	-165 dBm	-163 dBm	-154 dBm	-163 dBm	-158 dBm
Phase noise (at 1 GHz CF, 10 kHz offset)	-112 dBc/Hz	-112 dBc/Hz	-117 dBc/Hz	-111 dBc/Hz	-113 dBc/Hz	-111 dBc/Hz
Amplitude accuracy	±0.15 dB	±0.15 dB	±0.2 dB	±0.5 dB	±0.18 dB	±0.5 dB
Input attenuator range	40 dB	40 dB	40 dB	30 dB	40 dB	30 dB
Real-time bandwidth	40 or 10 MHz	120, 40, or 10 MHz	120, 40 or 10 MHz	10 MHz	120, 40 or 10 MHz	10 MHz
Vector network analysis**						
Frequency range	3 kHz to 4, 6.5, or 10 GHz	3 kHz up to 10 GHz	30 kHz up to 26.5 GHz	30 kHz up to 26.5 GHz	300 kHz up to 54 GHz	300 kHz up to 50 GHz
Output power	+8 dBm	+8 dBm	+9 dBm	+1 dBm	+6 dBm	+4 dBm
Dynamic range	118 dB	118dB	117 dB	100 dB	119 dB	110 dB
Calibration	CalReady, Mech, eCal	CalReady, Mech, eCal	CalReady, Mech, eCal	CalReady, Mech, eCal, QuickCal	CalReady, Mech, eCal	CalReady, Mech, eCal
General						
Max freq (up to 10 GHz) upgradability	Yes	NA	NA	NA	NA	NA
GNSS/GPS receiver	GNSS/GPS	GNSS/GPS	GNSS/GPS	GPS only	GNSS/GPS	GPS only
Battery operating time	4 hours	4 hours	4 hours	3.5 hours	4 hours	3.5 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 and IP53	MIL-PRE-28800F and IP53
Weight (nominal)	7.35 lb/3.34 kg	7.35 lb/3.34 kg	7.35 lb/3.34 kg	6.6 lb/3 kg	7.35 lb/3.34 kg	7.1 lb/3.2 kg

*: For N9912C Option SA4, SA6 or SAX is required; for N9913/14/15C, N991x/5xB, or N991x/5xA Option 233 is required

**:: For N9912C with NA4, NA6, or NAX, or N9913/14/15C, N991x/5xB, N991x/5xA only



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