



Coaxial Mechanical Calibration Kits

(DC ~ 67GHz)



Ceyear Technologies Co., Ltd

Calibration Kits

Ceyear series calibration kits are the test accessories of vector network analyzers, which can highly improve the test precision of vector network analyzers.

- ◆ Wide variety, covering various coaxial and waveguide calibration kits
- ◆ High calibration precision
- ◆ Good repeatability

Specifications:

Coaxial Calibration Kits

Model	Frequency range	Specifications	Configuration list
31101 type-N 50Ω calibration kits	DC~18GHz	Open :± 1.5 ° Short :± 1.5 ° Broadband load:VSWR < 1.055 Adapter:VSWR<1.083	Type-N (m) open1 type-N(f) open1 type-N(m) short1 type-N(f) short 1 type-N(f) load 1 type-N(m) load 1 N(f)-N(f)adapter 1 N(m)-N(m) adapter 1 7mm- type-N(m) adapter2 7mm-type-N(f) adapter 2 Type-N torque wrench 1 Hook spanner 1
31101A Type-N(m) 50Ωcalibration kits(type T)	DC~18GHz	Open: ± 1.5 ° Short: ± 1.0 ° Broadband load: VSWR < 1.055	--
31101B Type-N(f) 50Ω calibration kits (type T)	DC~18GHz	Open: ± 1.5 ° Short: ± 1.0 ° Broadband load: VSWR < 1.055	--

20204 Type-N calibration kit(75Ω)	DC~3GHz	Open: $\pm 1.6^\circ$ Short: $\pm 1.2^\circ$ Broadband load: VSWR < 1.04 75Ω adapter: VSWR < 1.04	type-N 75Ω(m) open 1 type-N 75Ω(m) short 1 type-N75Ω(f) open 1 type-N 75Ω(f)short 1 type-N 75Ω(f) load 1 type-N 75Ω(m) load 1 N75(f)-N75(f) adapter 1 N75(m)-N75(m)adapter 1 N75(m)-N75(f)adapter1 type-N torque wrench1 Options: N50(f)-N75(m)adapter 2 N50(m)-N75(m) adapter 2 N50(m)-N75(f) adapter 2 N50(f)-N75(f) adapter 2
20205 Type-N50Ω calibration kits	DC~3GHz	Open: $\pm 0.85^\circ$ Short: $\pm 0.65^\circ$ Broadband load: VSWR < 1.014 Adapter: VSWR < 1.029	Type-N(m) open1 Type-N(f) open 1 Type-N(m) short1 Type-N(f) open 1 Type-N(f) load 1 Type-N(m) load 1 N(f)-N(f) adapter 1 N(m)-N(m) adapter 1 N(m)-N(f) adapter 1 type-N torque wrench1
20207 Type-N(m)50Ω calibration kits (type T)	DC~3GHz	Open: $\pm 0.85^\circ$ Short: $\pm 0.65^\circ$ Broadband load: VSWR < 1.014	--
20207A Type-N(f)50Ω calibration kits (type T)	DC~3GHz	Open: $\pm 0.85^\circ$ Short: $\pm 0.65^\circ$ Broadband load: VSWR < 1.014	--

Continued

Model	Frequency range	Specifications	Configuration list
31104 Type-N50Ω calibration kits	DC~6GHz	Open: $\pm 1.0^\circ$ Short: $\pm 1.0^\circ$ Broadband load: VSWR < 1.023 Adapter: VSWR < 1.029	type-N(m) open 1 type-N(f) open1 type-N(m) short 1 type-N(f) short 1 type-N(f) load 1 type-N(m) load 1 N(f)-N(f)adapter1 N(m)-N(m) adapter 1 N(m)-N(f) adapter 1 type-N torque wrench1

20201 Type-N calibration kits	DC~9GHz	Open: $\pm 1.2^\circ$ Short: $\pm 1.0^\circ$ Broadband load: VSWR < 1.029 Adapter: VSWR < 1.052	type-N(m) open 1 type-N(f) open 1 type-N(m) short 1 type-N(f) short 1 type-N(f) load 1 type-N(m) load 1 N(f)-N(f) adapter 1 N(m)-N(m) adapter 1 N(m)-N(f) adapter 1 type-N torque wrench 1
20201A Type-N(m) calibration kits	DC~9GHz	Open: $\pm 1.2^\circ$ Short: $\pm 1.0^\circ$ Broadband load: VSWR < 1.029	--
20201B Type-N(f) calibration kits	DC~9GHz	Open: $\pm 1.2^\circ$ Short: $\pm 1.0^\circ$ Broadband load: VSWR < 1.029	--
31111 7mm calibration kits	DC~18GHz	Open: $\pm 0.5^\circ$ Short: $\pm 0.5^\circ$ Broadband load: VSWR < 1.04	7mm open 1 7mm short 1 7mm load 1 type-N torque wrench 1
31121 3.5mm calibration kits	DC~26.5GHz	Open: $\pm 1.5^\circ$ Short: $\pm 1.5^\circ$ Broadband load: VSWR < 1.055 Adapter: VSWR < 1.106	3.5mm male open 1 3.5mm(f) open 1 3.5mm(m) short 1 3.5mm(f) short 1 3.5mm(f) load 1 3.5mm(m) load 1 3.5mm(f)-3.5mm(f) adapter 1 3.5mm(m)-3.5mm(m) adapter 1 3.5mm(m)-3.5mm(f) adapter 1 3.5mm torque wrench 1
31121A 3.5mm calibration kits	DC~6GHz	Open: $\pm 0.85^\circ$ Short: $\pm 0.55^\circ$ Broadband load: VSWR < 1.029 Adapter: VSWR < 1.04	3.5mm(m) open 1 3.5mm(f) open 1 3.5mm(m) short 1 3.5mm(f) short 1 3.5mm(f) load 1 3.5mm(m) load 1 3.5mm(f)-3.5mm(f) adapter 1 3.5mm(m)-3.5mm(m) adapter 1 3.5mm(m)-3.5mm(f) adapter 1 N(m)-3.5mm(m) adapter 1 N(m)-3.5mm(f) adapter 1 N(f)-3.5mm(m) adapter 1 N(f)-3.5mm(f) adapter 1 3.5mm torque wrench 1

20202 3.5mmcalibration kits	DC~9GHz	Open: $\pm 1.0^\circ$ Short: $\pm 0.85^\circ$ Broadband load: VSWR < 1.029 Adapter: VSWR < 1.052	3.5mm(m)open 1 3.5mm(f) open 1 3.5mm(m) short 1 3.5mm(f) short 1 3.5mm(f) load 1 3.5mm(m) load 1 3.5mm(f)-3.5mm(f) adapter 1 3.5mm(m)-3.5mm(m) adapter 1 3.5mm(m)-3.5mm(f) adapter 1 N(m)-3.5mm(m)adapter 1 N(m)-3.5mm(f) adapter 1 N(f)-3.5mm(m) adapter 1 N(f)-3.5mm(f) adapter 1 3.5mm torque wrench 1
31123 2.4mmcalibration kits	DC~40GHz	Open: $\pm 1.5^\circ$ Short: $\pm 1.5^\circ$ Broadband load: VSWR < 1.105 Adapter: VSWR < 1.119	2.4mm(m) open 1 2.4mm(f) open 1 2.4mm(m) short 1 2.4mm(f) short 1 2.4mm(f) load 1 2.4mm(m) load 1 2.4mm(f)-2.4mm(f)adapter 1 2.4mm(m)-2.4mm(m) adapter 1 2.4mm(m)- 2.4mm(f) adapter 1 3.5mm torque wrench 1
31123A 2.4mm calibration kits	DC~50GHz	Open: $\pm 2.25^\circ$ Short: $\pm 2^\circ$ Broadband load: VSWR < 1.106 Adapter: VSWR < 1.222	2.4mm(m) open 1 2.4mm(f) open 1 2.4mm(m) short 1 2.4mm(f) short 1 2.4mm(f) load 1 2.4mm(m) load 1 2.4mm(f)-2.4mm(f)adapter 1 2.4mm(m)-2.4mm(m)adapter 1 2.4mm(m)- 2.4mm(f) adapter 1 3.5mm torque wrench 1
31128 1.85mmcalibration kits	DC~67GHz	Open: $\pm 2.0^\circ$ Short: $\pm 2.0^\circ$ Broadband load: VSWR < 1.15 Adapter: VSWR < 1.25	1.85mm(m) open 1 1.85mm(f) open 1 1.85mm(m) short 1 1.85mm(f) short 1 1.85mm(f) load 1 1.85mm(m) load 1 1.85mm(f)-1.85mm(f) adapter 1 1.85mm(m)-1.85mm(m) adapter 1 1.85mm(m)-1.85mm(f) adapter 1 3.5mm torque wrench 1
31101M Type-N calibration kits	DC~18GHz	Open: $\pm 3.0^\circ$ Short: $\pm 2.5^\circ$ Broadband load : VSWR ≤ 1.1 Adapter: VSWR ≤ 1.08	type-N(m) open 1 type-N(f) open 1 type-N(m) short 1 type-N(f) short 1 type-N(f) load 1 type-N(m) load 1 N(m)-N(m) adapter 1 N(f)-N(f) adapter 1 7mm-N(m) adapters 2 7mm-N(f) adapters 2 type-N torque wrench 1

31101MA Type-N(m) calibration kits (typeY)	DC~18GHz	Open: $\pm 3.0^\circ$ Short: $\pm 2.5^\circ$ Broadbandload : VSWR ≤ 1.08 Adapter: VSWR ≤ 1.1	--
31101MB Type-N(f) calibration kits (typeY)	DC~18GHz	Open: $\pm 3.0^\circ$ Short: $\pm 2.5^\circ$ Broadband load : VSWR ≤ 1.08 Adapter: VSWR ≤ 1.1	--
31121M 3.5mmcalibration kits	DC~26.5GHz	Open: $\pm 2^\circ$ Short: $\pm 2^\circ$ Broadband load : VSWR ≤ 1.065 Adapter: VSWR ≤ 1.12	3.5mm(m) open 1 3.5mm(f) open 1 3.5mm(m) short 1 3.5mm(f) short 1 3.5mm(f) load 1 3.5mm(m) load 1 3.5mm(f)-3.5mm(f) adapter 1 3.5mm(m)-3.5mm(m) adapter 1 3.5mm(m)-3.5mm(f) adapter 1 3.5mm torque wrench 1
31121MA 3.5mm(m) calibration kits(type Y)	DC~26.5GHz	Open: $\pm 2^\circ$ Short: $\pm 2^\circ$ Broadband load : VSWR ≤ 1.065 Adapter: VSWR ≤ 1.12	--
31121MB 3.5mm(f)calibration kits(type Y)	DC~26.5GHz	Open: $\pm 2^\circ$ Short: $\pm 2^\circ$ Broadband load : VSWR ≤ 1.065 Adapter: VSWR ≤ 1.12	--
31121MC 3.5mm(m) calibration kits (type T)	DC~26.5GHz	Open: $\pm 2^\circ$ Short: $\pm 2^\circ$ Broadband load : VSWR ≤ 1.065	--
31121MD 3.5mm(f) calibration kits (type T)	DC~26.5GHz	Open: $\pm 2^\circ$ Short: $\pm 2^\circ$ Broadband load : VSWR ≤ 1.065	--
31123M 2.4mm calibration kits	DC~50GHz	Open: $\pm 6^\circ$ Short: $\pm 4.5^\circ$ Broadband load : VSWR ≤ 1.17 Adapter: VSWR ≤ 1.15	2.4mm(m) open 1 2.4mm(f) open 1 2.4mm(m) short 1 2.4mm(f) short 1 2.4mm(f) load 1 2.4mm(m) load 1 2.4mm(m)-2.4mm(m) adapter 1 2.4mm(f)-2.4mm(f)adapter 1 2.4mm(m)-2.4mm(f) adapter 1 3.5mm torque wrench 1

20206M 2.92mm calibration kits	DC~40GHz	Open: $\pm 6.0^\circ$ Short: $\pm 4.5^\circ$ Broadband load: VSWR ≤ 1.17 Adapter: VSWR ≤ 1.15	2.92mm(m) open 1 2.92mm(f) open 1 2.92mm(m) short 1 2.92mm(f)short 1 2.92mm(f) load1 2.92mm(m) load 1 2.92mm(f)-2.92mm(f) adapter 1 2.92mm(m)-2.92mm(m) 2.92mm(m)-2.92mm(f) adapter 1 2.92mm torque wrench 1
20206MA 2.92mm(m) calibration kits	DC~40GHz	Open: $\pm 6.0^\circ$ Short: $\pm 4.5^\circ$ Broadband load : VSWR ≤ 1.17 Adapter: VSWR ≤ 1.15	--
20206MB 2.92mm(f) calibration kits	DC~40GHz	Open: $\pm 6.0^\circ$ Short: $\pm 4.5^\circ$ Broadband load : VSWR ≤ 1.17 Adapter: VSWR ≤ 1.15	--
20206MC 2.92mm(m) calibration kits (type T)	DC~40GHz	Open: $\pm 6.0^\circ$ Short: $\pm 4.5^\circ$ Broadband load: VSWR ≤ 1.17	--
20206MD 2.92mm(f) calibration kits (type T)	DC~40GHz	Open: $\pm 6.0^\circ$ Short: $\pm 4.5^\circ$ Broadband load : VSWR ≤ 1.17	--
31128M 1.85mm calibration kits	DC~67GHz	Open: $\pm 9.0^\circ$ Short: $\pm 6.0^\circ$ Broadband load : VSWR ≤ 1.2 Adapter: VSWR ≤ 1.25	1.85mm(m) open 1 1.85mm(f)open 1 1.85mm(m) short 1 1.85mm(f) short 1 1.85mm(f) load1 1.85mm(m) load 1 1.85mm(f)-1.85mm(f) adapter 1 1.85mm(m)-1.85mm(m) adapter 1 1.85mm(m)-1.85mm(f) adapter 1 3.5mm torque wrench 1

Note: the specifications of open and short are the difference scope of phase test value and nominal value.