

MSOT (4-in-1) and MSO (3-in-1)

## Compact Calibration Kits

TEST & MEASUREMENT





## Compact Calibration Kits

Rosenberger provides a wide range of compact calibration kits for MSOT (4-in-1) and MSO (3-in-1) calibrations. These compact calibration kits combine all necessary calibration standards in one unit – small, easy to handle and light weight.

All compact calibration kits come in a hard shell case with general coefficients on a standard definition card.

### MSOT:

The 4-in-1 mechanical calibration kits combine an open, short, load and thru element in a compact unit for a complete MSOT calibration of two or more port vector network analyzers.

### MSO:

The 3-in-1 mechanical calibration kits combine an open, short and load in a compact unit for a complete MSO calibration of single port vector network analyzers.

The following tables show the complete range of Rosenberger compact calibration kits. For specific details refer to the technical datasheets in our online catalog:







## Product Portfolio

### MSOT (4-in-1) Compact Calibration Kits

#### 50 $\Omega$ Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss	Thru Return Loss
64K30R-MSOTS3	female	4.3-10	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	$\geq 38$ dB	$\geq 28$ dB
64S30R-MSOTS3	male		6 GHz to 12 GHz	$\leq 4.0^\circ$	$\leq 3.0^\circ$	$\geq 30$ dB	$\geq 25$ dB
05K30R-MSOTS3	female	RPC-N	DC to 6 GHz	$\leq 2.0^\circ$	$\leq 1.5^\circ$	$\geq 42$ dB	$\geq 40$ dB
05S30R-MSOTS3	male		6 GHz to 9 GHz 9 GHz to 18 GHz	$\leq 3.0^\circ$ $\leq 4.0^\circ$	$\leq 2.0^\circ$ $\leq 2.5^\circ$	$\geq 36$ dB $\geq 30$ dB	$\geq 36$ dB $\geq 32$ dB
03K30R-MSOTS3	female	RPC-3.50	DC to 4 GHz	$\leq 1.0^\circ$	$\leq 1.0^\circ$	$\geq 40$ dB	$\geq 34$ dB
03S30R-MSOTS3	male		4 GHz to 8 GHz 8 GHz to 26.5 GHz	$\leq 2.0^\circ$ $\leq 3.0^\circ$	$\leq 2.0^\circ$ $\leq 3.0^\circ$	$\geq 35$ dB $\geq 30$ dB	$\geq 32$ dB $\geq 30$ dB
02K30R-MSOTS3	female	RPC-2.92	DC to 4 GHz	$\leq 1.5^\circ$	$\leq 1.5^\circ$	$\geq 40$ dB	$\geq 32$ dB
02S30R-MSOTS3	male		4 GHz to 26.5 GHz 26.5 GHz to 40 GHz	$\leq 4.0^\circ$ $\leq 5.0^\circ$	$\leq 4.0^\circ$ $\leq 5.0^\circ$	$\geq 28$ dB $\geq 25$ dB	$\geq 30$ dB $\geq 28$ dB

#### 75 $\Omega$ Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss	Thru Return Loss
P5K30R-MSOTS3	female	RPC-N 75 $\Omega$	DC to 4 GHz	$\leq 3.0^\circ$	$\leq 2.5^\circ$	$\geq 38$ dB	$\geq 36$ dB
P5S30R-MSOTS3	male		4 GHz to 8 GHz 8 GHz to 12 GHz	$\leq 5.0^\circ$ $\leq 6.0^\circ$	$\leq 4.0^\circ$ $\leq 5.0^\circ$	$\geq 32$ dB $\geq 30$ dB	$\geq 27$ dB $\geq 25$ dB



## MSO (3-in-1) Compact Calibration Kits

### 50 $\Omega$ Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss
60K34R-MSON3	female	7-16	DC to 4 GHz	$\leq 3.0^\circ$	$\leq 3.0^\circ$	$\geq 38$ dB
60S34R-MSON3	male					
60K36R-MSON3	female	7-16	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 3.0^\circ$	$\geq 38$ dB
60S36R-MSON3	male					
64K36R-MSOS3	female	4.3-10	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	$\geq 38$ dB
64S36R-MSOS3	male					
65K36R-MSOS3	female	4.1-9.5	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	$\geq 38$ dB
65S36R-MSOS3	male					
53K36R-MSON3	female	N	DC to 6 GHz	$\leq 3.0^\circ$	$\leq 2.0^\circ$	$\geq 38$ dB
53S36R-MSON3	male					
53K38R-MSON3	female	N	DC to 6 GHz 6 GHz to 8 GHz	$\leq 3.0^\circ$ $\leq 5.0^\circ$	$\leq 2.0^\circ$ $\leq 4.0^\circ$	$\geq 38$ dB $\geq 35$ dB
53S38R-MSON3	male					
05K30R-MSOS3	female	RPC-N	DC to 6 GHz 6 GHz to 9 GHz 9 GHz to 18 GHz	$\leq 2.0^\circ$ $\leq 3.0^\circ$ $\leq 3.0^\circ$	$\leq 1.5^\circ$ $\leq 2.0^\circ$ $\leq 2.5^\circ$	$\geq 42$ dB $\geq 36$ dB $\geq 30$ dB
05S30R-MSOS3	male					
03K30R-MSOS3	female	RPC-3.50	DC to 4 GHz 4 GHz to 8 GHz 8 GHz to 26.5 GHz	$\leq 1.0^\circ$ $\leq 2.0^\circ$ $\leq 3.0^\circ$	$\leq 1.0^\circ$ $\leq 2.0^\circ$ $\leq 3.0^\circ$	$\geq 40$ dB $\geq 35$ dB $\geq 30$ dB
03S30R-MSOS3	male					
02K30R-MSOS3	female	RPC-2.92	DC to 4 GHz 4 GHz to 26.5 GHz 26.5 GHz to 40 GHz	$\leq 1.5^\circ$ $\leq 4.0^\circ$ $\leq 5.0^\circ$	$\leq 1.5^\circ$ $\leq 4.0^\circ$ $\leq 5.0^\circ$	$\geq 40$ dB $\geq 28$ dB $\geq 25$ dB
02S30R-MSOS3	male					



## MSO (3-in-1) Compact Calibration Kits

### 75 $\Omega$ Impedance

Rosenberger No.	Gender	Interface	Frequency Range	Open Deviation from nominal phase	Short Deviation from nominal phase	Load Return Loss
P5K30R-MSOS3	female	RPC-N 75 $\Omega$	DC to 4 GHz	$\leq 3.0^\circ$	$\leq 2.5^\circ$	$\geq 38$ dB
P5S30R-MSOS3	male		4 GHz to 8 GHz	$\leq 5.0^\circ$	$\leq 4.0^\circ$	$\geq 32$ dB
			8 GHz to 12 GHz	$\leq 6.0^\circ$	$\leq 5.0^\circ$	$\geq 30$ dB





## Test, Measurement & Calibration

For further information refer to our website:  
<http://www.rosenberger.com/calibration-kits>

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