

CA OCS F KIT

LOAD RESISTORS FOR FAST DAMPED OSCILLATORY WAVE VERIFICATION



FOR TESTS ACCORDING TO ...

> EN 61000-4-18

CALIBRATION SET FOR FAST DAMPED OSCILLATORY WAVE GENERATORS



The pulse shape of fast damped oscillatory generator designed as per IEC 61000-4-18 have to be verified both into a 0.1ohm and a 1,000ohm load at the 50ohm coaxial HV output as well into 0.1ohm load at the output of the coupling network.

The CA OCCS F kit includes the load resistors and a set of adapter to connect the coaxial matching resistors appropriately to the DUT output port.

HIGHLIGHTS

- > Calibration kit as per IEC 61000-4-18
- > 0.1ohm load resistor included
- > 1,000ohm load resistor included
- > Adapters provided to adapt the load resistors to the output of the coupling network for easy measurement

APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  BROADCAST
-  TELECOM
-  RESIDENTIAL

TECHNICAL DETAILS

KW 0R1

MEASURING EXAMPLE USING THE KW 0R1

Open circuit voltage setting at the OCS 500N6F generator

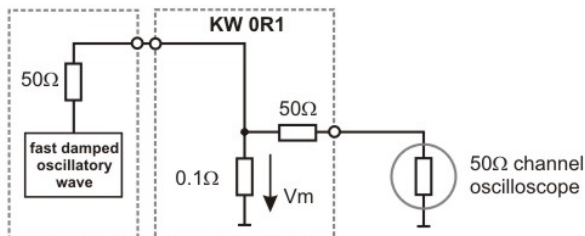
(50ohm output): 2,000V

Resulting output current into the 0.1ohm measuring resistor: 40AV

Measuring voltage Vm: 4.0V

Measured voltage considering the 50ohm input impedance of the oscilloscope: 2.0V

Resulting attenuation (theoretical): 20:1



KW 0R1, 0.1OHM LOAD RESISTOR

TECHNICAL DATA FOR KW 0R1

	For fast damped oscillatory wave only
Input Voltage	Max. 4,400V
Impedance	
Input	0.1ohm +/-2%
Output	50ohm
Divider ratio	10:1
Dimension	95mm x 26mm x 26mm
Weight	Approx. 100g
	The divider ratio in a 50ohm systems is n = 20

KW 1000

MEASURING EXAMPLE USING THE KW 1000

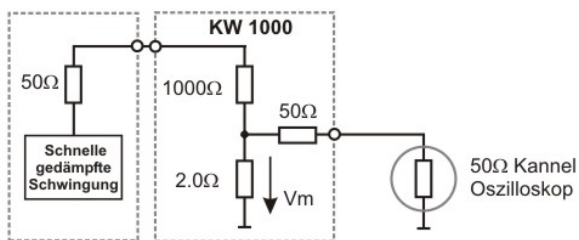
Open circuit voltage setting at the OCS 500N6F generator (50ohm output): 2,000V

Resulting output voltage across the 1,000ohm matching resistor: 1,000V

Measuring voltage Vm: 4V

Measured voltage considering the 50ohm input impedance of the oscilloscope: 2V

Resulting attenuation (theoretical): 1,000:1



KW 1000, 1KOHM LOAD RESISTOR

TECHNICAL DATA FOR KW 1000

	For fast damped oscillatory wave only
Input Voltage	Max. 4,400V
Impedance	
Input	1,000ohm +/-2%, <6pF
Output	50ohm
Divider ratio	500:1
Dimension	155mm x 26mm x 26mm
Weight	Approx. 150g
	The divider ratio in a 50ohm systems is n = 1,000

TECHNICAL DETAILS

OPTIONAL ACCESSORIES

OPTIONS	
CA MC F	Adapter CA MC F to match KW 0R1 and KW 1000 load resistors to the supply output of the OCS 500N6F

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.