

# 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

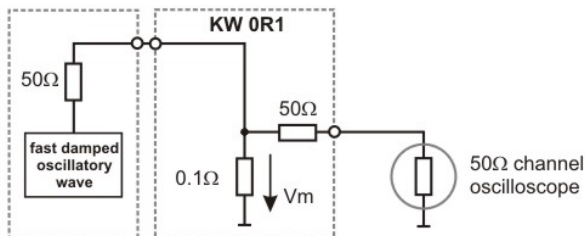
(50ohm output): 2,000V

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**

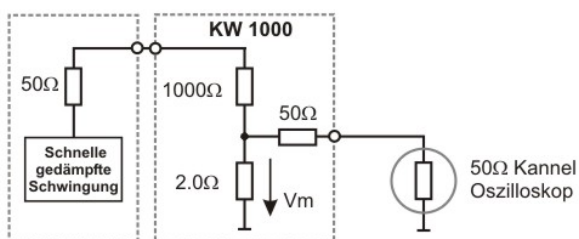
Open circuit voltage setting at the OCS 500N6F generator (50ohm output): 2,000V

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

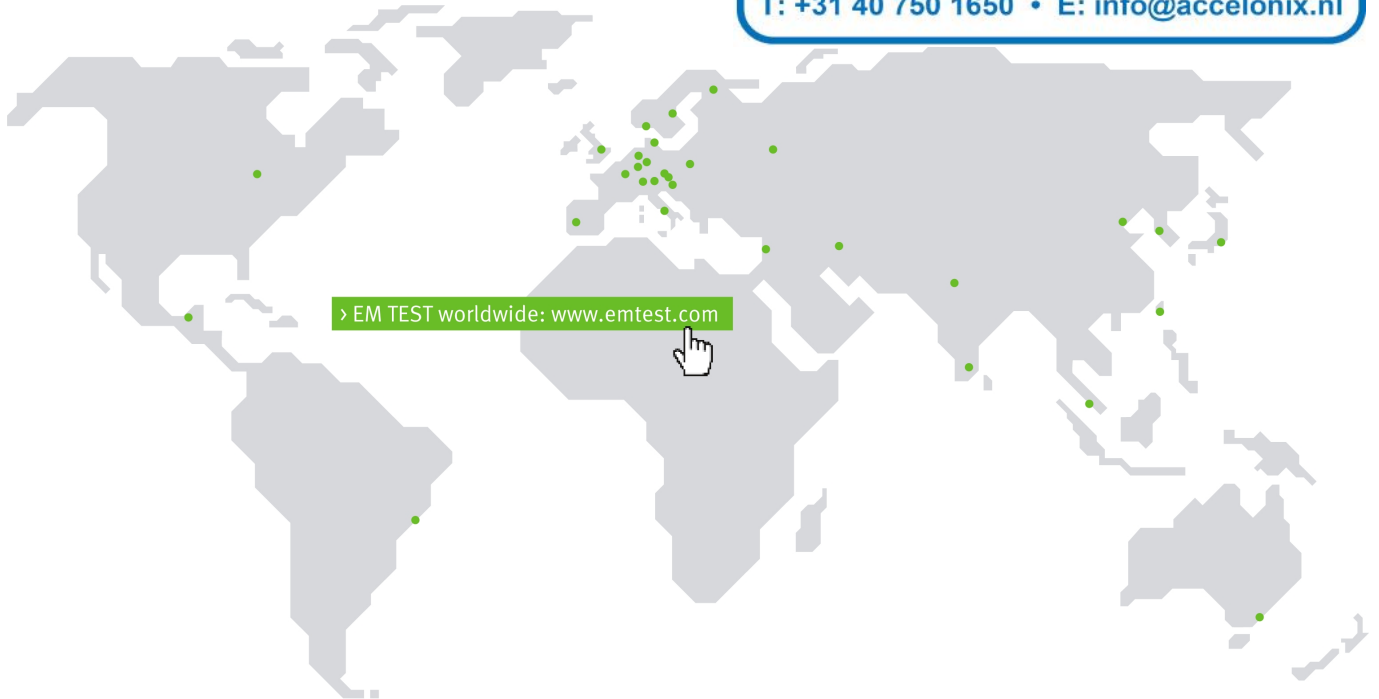
OPTIONAL ACCESSORIES

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

**Accelonix BV**  
 Luchthavenweg 18b • NL-5657 EB •  
 Eindhoven • The Netherlands •  
 T: +31 40 750 1650 • E: [info@accelonix.nl](mailto:info@accelonix.nl)



**CONTACT EM TEST DIRECTLY**

<p><b>Switzerland</b>                  EM TEST (Switzerland) GmbH &gt; Sternenhofstraße 15 &gt; 4153 Reinach &gt; Switzerland                  Phone +41 (0)61/7179191 &gt; Fax +41 (0)61/7179199                  Internet: <a href="http://www.emtest.ch">www.emtest.ch</a> &gt; E-mail: <a href="mailto:sales.emtest@ametek.com">sales.emtest@ametek.com</a></p> <p><b>Germany</b>                  AMETEK CTS Germany GmbH &gt; Lünener Straße 211 &gt; 59174 Kamen &gt; Deutschland                  Phone +49 (0)2307/26070-0 &gt; Fax +49 (0)2307/17050                  Internet: <a href="http://www.emtest.com">www.emtest.com</a> &gt; E-mail: <a href="mailto:info.cts@ametek.de">info.cts@ametek.de</a></p> <p><b>France</b>                  EM TEST FRANCE &gt; Le Trident - Parc des Collines &gt; Immeuble B1 - Etage 3 &gt; 36, rue Paul Cézanne &gt; 68200 Mulhouse &gt; France                  Phone +33 (0)389 31 23 50 &gt; Fax +33 (0)389 31 23 55                  Internet: <a href="http://www.emtest.fr">www.emtest.fr</a> &gt; E-mail: <a href="mailto:info@emtest.fr">info@emtest.fr</a></p> <p><b>Poland</b>                  EM TEST Polska &gt; ul. Ogrodowa 31/35, 00-893 Warszawa &gt; Polska                  Phone +48 (0)518 64 35 12                  Internet: <a href="http://www.emtest.com/pl">www.emtest.com/pl</a> &gt; E-mail: <a href="mailto:infopolska.emtest@ametek.com">infopolska.emtest@ametek.com</a></p>	<p><b>USA / Canada</b>                  AMETEK Compliance Test Solutions &gt; 52 Mayfield Ave. &gt; Edison &gt; NJ 08837                  Phone +1 (732) 417-0501                  Internet: <a href="http://www.emtest.com">www.emtest.com</a> &gt; E-mail: <a href="mailto:sales.emtest@ametek.com">sales.emtest@ametek.com</a></p> <p><b>P.R. China</b>                  E &amp; S Test Technology Limited &gt; Rm 913, Leftbank &gt; No. 68 Bei Si Huan Xi Lu &gt; Haidian District &gt; Beijing 100080 &gt; P.R. China                  Phone +86 (0)10 82 67 60 27 &gt; Fax +86 (0)10 82 67 62 38                  Internet: <a href="http://www.emtest.com">www.emtest.com</a> &gt; E-mail: <a href="mailto:info@emtest.com.cn">info@emtest.com.cn</a></p> <p><b>Republic of Korea</b>                  EM TEST Korea Limited &gt; #405 &gt; WooYeon Plaza &gt; #986-8 &gt; YoungDeok-dong &gt; Giheung-gu &gt; Yongin-si &gt; Gyeonggi-do &gt; Korea                  Phone +82 (31) 216 8616 &gt; Fax +82 (31) 216 8616                  Internet: <a href="http://www.emtest.co.kr">www.emtest.co.kr</a> &gt; E-mail: <a href="mailto:sales@emtest.co.kr">sales@emtest.co.kr</a></p>
---	--

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.