

ACC

CAPACITIVE COUPLING CLAMP FOR AUTOMOTIVE TESTING



FOR TESTS ACCORDING TO ...

- › ISO 7637-3:2007
- › ISO 7637-3:2016

COUPLING OF FAST TRANSIENT PULSES TO I/O LINES

The capacitive coupling clamp ACC is used to couple fast transient pulses to I/O lines as required in different national and international standards and car manufacturer specifications for automotive testing. The effective coupling capacitance depends on the diameter and the material of the used cables. A typical value will be around 100 pF.

HIGHLIGHTS

- › **Strictly acc. to ISO 7637 and many car manufacturer specifications**
- › **Precise construction with highest quality surfaces**
- › **Accept cables up to 40 mm diameter**
- › **Characteristic impedance 50 Ohm**

APPLICATION AREAS



AUTOMOTIVE

TECHNICAL DETAILS

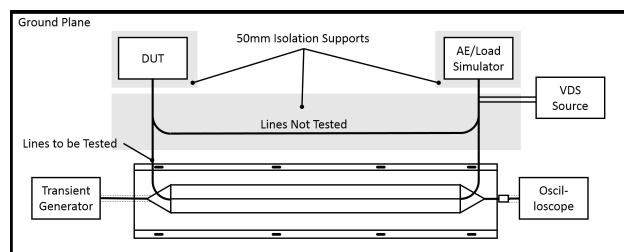
BENEFITS

The coupling on signal lines can usually not be effected capacitively without interfering with the signal flow. It is often impossible to contact the required circuit (direct), e.g. coaxial or shielded cables. In this case the coupling is realized with the capacitive coupling clamp. The interference simulator can be connected via a coaxial cable on both sides of the ACC coupling clamp.

TEST SETUP

TESTS WITH THE CAPACITIVE COUPLING CLAMP:

The coupling clamp has to be terminated with a 50 ohm attenuator at one end. If the EUT is built up by two different equipment, the test should be conducted on each single equipment with the required distance.



ACC CAPACITIVE COUPLING CLAMP

ACC CAPACITIVE COUPLING CLAMP

Max. Voltage	1.00 kV
Dimension Coupling plate	1000 mm x 140 mm, (total 1200 mm)
Height	27 mm between Reference GND - Coupling plate,
Connector	High voltage connector, coaxial
GND connection	screw slots
DUT cable	up to 40 mm diameter

INCLUDED ACCESSORIES

KW 50	Coaxial 50 ohm attenuator for EFT/Burst transient calibration
HVE 1 m	Cable for connecting a UCS 200N to the ACC

GENERAL DATA

ENVIRONMENT

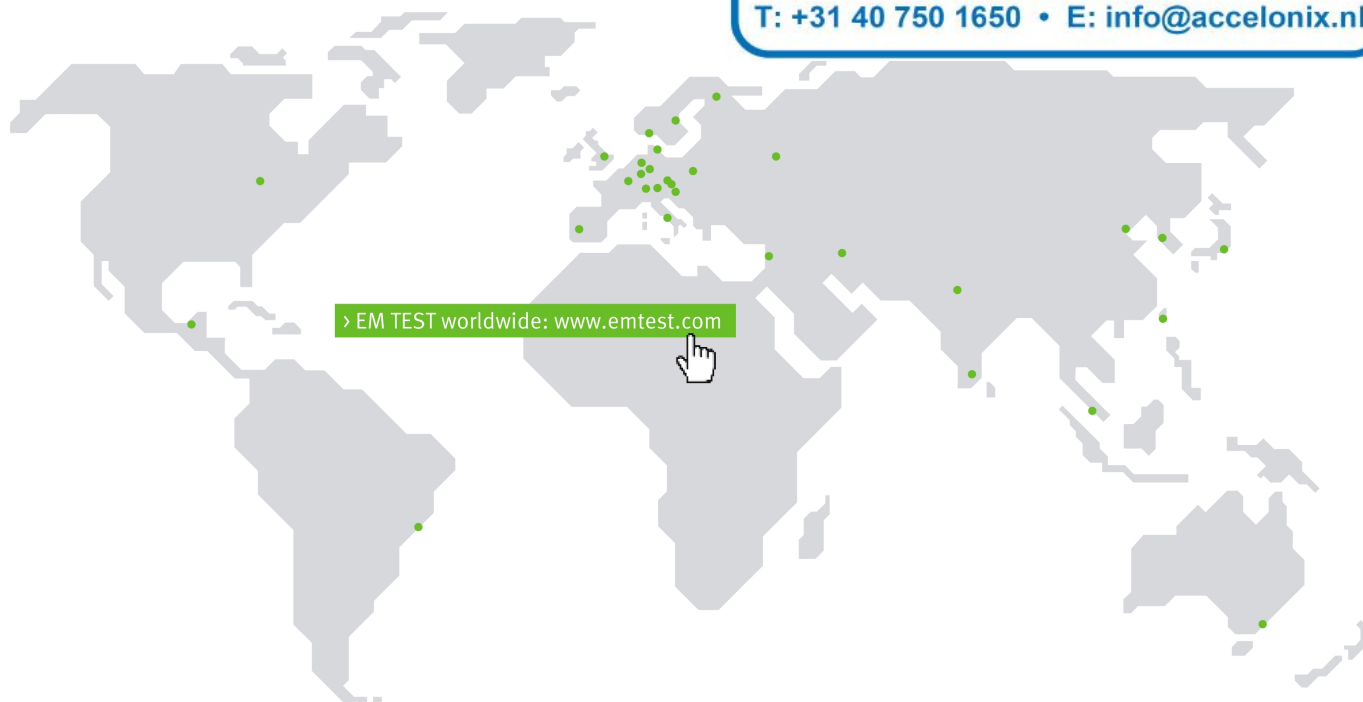
Temperature	10° C to 40° C
Rel. humidity	Max. 85 %, non condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1,060 mbar)

DIMENSION AND WEIGHT

Dimension	1250 mm x 300 mm x 93 mm, L x W x H
Weight	11.5 kg

COMPETENCE WHEREVER YOU ARE

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



CONTACT EM TEST DIRECTLY

Switzerland

EM TEST (Switzerland) GmbH > Sternenhofstraße 15 > 4153 Reinach > Switzerland
 Phone +41 (0)61/7179191 > Fax +41 (0)61/7179199
 Internet: www.emtest.ch > E-mail: sales.emtest@ametek.com

Germany

AMETEK CTS Germany GmbH > Lünener Straße 211 > 59174 Kamen > Deutschland
 Phone +49 (0)2307/26070-0 > Fax +49 (0)2307/17050
 Internet: www.emtest.com > E-mail: info.cts@ametek.de

France

EM TEST FRANCE > Le Trident - Parc des Collines > Immeuble B1 - Etage 3 > 36, rue Paul Cézanne > 68200 Mulhouse > France
 Phone +33 (0)389 31 23 50 > Fax +33 (0)389 31 23 55
 Internet: www.emtest.fr > E-mail: info@emtest.fr

Poland

EM TEST Polska > ul. Ogrodowa 31/35, 00-893 Warszawa > Polska
 Phone +48 (0)518 64 35 12
 Internet: www.emtest.com/pl > E-mail: infopolska.emtest@ametek.com

USA / Canada

AMETEK Compliance Test Solutions > 52 Mayfield Ave. > Edison > NJ 08837
 Phone +1 (732) 417-0501
 Internet: www.emtest.com > E-mail: sales.emtest@ametek.com

P.R. China

E & S Test Technology Limited > Rm 913, Leftbank >
 No. 68 Bei Si Huan Xi Lu > Haidian District > Beijing 100080 > P.R. China
 Phone +86 (0)10 82 67 60 27 > Fax +86 (0)10 82 67 62 38
 Internet: www.emtest.com > E-mail: info@emtest.com.cn

Republic of Korea

EM TEST Korea Limited > #405 > WooYeon Plaza > #986-8 > YoungDeok-dong > Giheung-gu > Yongin-si > Gyeonggi-do > Korea
 Phone +82 (31) 216 8616 > Fax +82 (31) 216 8616
 Internet: www.emtest.co.kr > E-mail: sales@emtest.co.kr

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.