

ACC

CAPACITIVE COUPLING CLAMP FOR AUTOMOTIVE TESTING



FOR TESTS ACCORDING TO ...

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

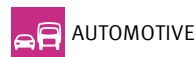
COUPLING OF FAST TRANSIENT PULSES TO I/O LINES

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



TECHNICAL DETAILS

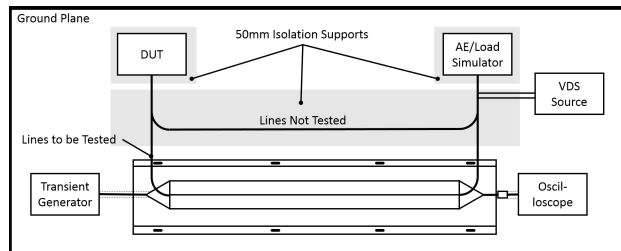
BENEFITS

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



CONTACT EM TEST DIRECTLY

Switzerland

AMETEK CTS GmbH › Sternenhofstraße 15 › 4153 Reinach › Switzerland
Phone +41 (0)61 204 41 11 › Fax +41 (0)61 204 41 00
Internet: www.ametek-cts.com › E-mail: sales.conducted.cts@ametek.com

Germany

AMETEK CTS Europe GmbH › Customer Care Center EMEA › Lünener Straße 211
› 59174 Kamen › Germany
Phone +49 (0) 2307 26070-0 › Fax +49 (0) 2307 17050
Internet: www.ametek-cts.com › E-mail: info.cts.de@ametek.com

Poland

AMETEK CTS Europe GmbH › Biuro w Polsce › ul. Twarda 44 › 00-831 Warsaw › Poland
Phone +48 (0) 518 643 12
Internet: www.ametek-cts.com › E-mail: Infopolska.cts@ametek.com

USA / Canada

AMETEK CTS US › 52 Mayfield Ave › Edison › NJ 08837 › USA
Phone +1 732 417 0501
Internet: www.ametek-cts.com › E-mail: usasales.cts@ametek.com

P.R. China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd. › Beijing Branch › Western Section, 2nd floor › Jing Dong Fang Building (B10) › Chaoyang District › Beijing, China, 100015
Phone +86 10 8526 2111 › Fax +86 (0)10 82 67 62 38
Internet: www.ametek-cts.com › E-mail: chinasales@ametek.com

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

Singapore

AMETEK Singapore Pte. Ltd › No. 43 Changi South Avenue 2 › 04-01 Singapore 48164
Internet: www.ametek-cts.com › E-mail: singaporesales.cts@ametek.com

Great Britain

AMETEK GB › 5 Ashville Way › Molly Millars Lane › Wokingham › Berkshire RG41 2 PL › Great Britain
Phone +44 845 074 0660
Internet: www.ametek-cts.com

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.