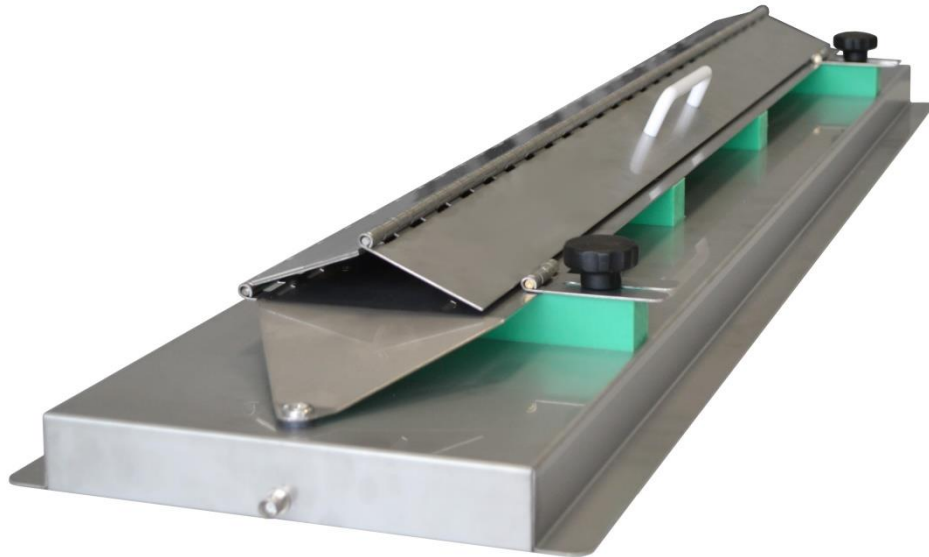


# CDN 2012

## Capacitive Coupling Clamp



- **Coupling clamp for automotive electronics**
- **Conforms to ISO 7637-3 Pulse injection on signal and control lines**

The coupling clamp CDN 2012 conforms exactly to the requirements of ISO 7637-3 and other standards, guaranteeing that tests are carried out in strict compliance with the standard.

The CDN allows the fast nanosecond pulse bursts ( ISO 3a and 3b) to be injected in cable runs. Very high impedance signal lines are also to be found in vehicles on which the disruptive effects of ISO pulses 1 and 2 can also show up through capacitive coupling.

The characteristic impedance of the unit is 50Ω. The CDN 2012 coupling clamp is fitted with appropriate BNC connectors at both sides and is connected to the generator via a coaxial cable. The far side of the clamp has to be terminated with a 50Ω load resistor. A suitable terminating load is included. It also provides a measurement output via a 40 dB Attenuator.

The coupling clamp will accept ribbon cables as well as round cables of up to 40mm diameter. The effective coupling capacitance depends on the cross section and the material of the cable used; a typical value being around 100 pF.

Sales Partner:



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| Technical Specification   | CDN 2012                        |
|---|---------------------------------|
| Typical coupling capacitance  | 100 pF approx. ( 200 pF max. )  |
| Active length   | 1000 mm                         |
| Diameter of round cables  | 40 mm max.                      |
| Breakdown voltage   | > 500 V                         |
| Characteristic impedance ( without cable inserted )   | 50 $\Omega$ $\pm$ 10%           |
| Connectors  | 50 $\Omega$ BNC ( 1 each side ) |
| Dimensions L x W x H mm   | 1300x 300x 106 mm               |
| Weight :  | 11,5 kg approx.                 |
| Construction : stainless steel, coupling panel with roller hinges for precise positioning   |                                 |
| Accessories: ( included )   |                                 |
| <ul style="list-style-type: none"> <li>- Coaxial connection cable, Fischer – BNC, ca. 1m</li> <li>- Coaxial termination with 50<math>\Omega</math> Attenuator 40 dB, integrated, BNC</li> </ul> |                                 |

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