

# Concept<sup>®</sup> - ACC-Test Device



## Functional Description:

The ACC – Test Device developed by Concept simulates a forward driving test-vehicle for testing ACC-Systems. ACC-Systems (Adaptive Cruise Control Systems) are used for identification of vehicles, determination of speed and amongst others to control braking intervention or engine intervention as well as for the identification of preventive driving assistance systems (CMBS –Collision Mitigation Brake System).

## Basic Principle:

Fixture of the ACC- Test Device will be mounted onto the soil structure of the leading vehicle. A demountable pivot arm, which is adjusted with radar reflectors simulates the forward driving vehicle. It is possible to bring the pivot arm pneumatically (driver) in 3 different positions:

- Swivel out
- Swivel in
- Test run

## Benefits at a Glance:

- ✓ huge capacitance of the system
- ✓ comfortable operating
- ✓ pneumatically controlled pivot automatic  
(own electric power supply)
- ✓ technical-aesthetical appearance  
(for presentation, demonstration)
- ✓ rapid mounting and dismounting of the test device

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During the test run different misuse tests can be performed and collision with the pivot arm (simulated vehicle) will occur.

According to customer requirements speed difference between leading vehicle and following vehicle can be 30km/h or more. In the case of impact the system avoids damages of the following vehicle respectively the release of different active safety systems due to an automatically swivel-in of the pivot arm as well as the low weight of the console.

### FROM USER TO USER

The pivot arm as well as the fixture can be mounted and dismantled in a few minutes. The transportation of the ACC – Test Device can be done in the leading vehicle.



reflector height limousine



reflector height SUV and limousine

