



## HV Measuring Adapter for E-Vehicles

Work on e-vehicles with high-voltage components requires special protective measures for personnel. This HV measuring adapter was developed in order to be able to perform maintenance work and safety-relevant tests on high-voltage systems.

The HV measuring adapter consists of the HV measuring box and a connector specific HV adapter cable set.

### Application:

- Determining / measuring the voltage-free condition in a HV system
- Measuring the voltage in an activated HV system
- Checking / measuring the insulation resistance in a HV system
- Simulation of insulation faults in a HV system
- Checking / measuring HV interlock or pilot line in a HV system
- Opening / bridging HV interlock or pilot line

are just some of the possible applications of this HV measuring adapter.

# ADAPTER

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## Features of the HV measuring box

- Measurement sockets:
  - HV+
  - HV-
  - Shield
  - Pilot In (HV interlock)
  - Pilot Out (HV interlock male)
  - Pilot Out (HV interlock female)
  - Quick change interface X1 and X2 for adapter cable set
- Personal protection resistors
- Measuring voltage max. 1000 V
- Measuring current max. 16 A
- Switch for simulation of insulation faults



## Available HV measuring boxes

- HV measuring box with personal protection resistors
- HV measuring box without personal protection resistors
- HV measuring box „Crash Test“

## Article no.:

7248821001  
724882Z001  
7256931001

Application-specific interconnections of the HV measuring boxes with a detailed specification are possible on request.

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HVA280

## HV adapter cable sets for the different HV connector types

### Design:

- Contacting by spring-loaded contact pins
- Contour designed for 0-coding, protected against rotation (reverse polarity protection)
- Locking by means of locking lever
- Connection cables in 3 different lengths incl. connector X1 or X2



HPS40-2



MEB



HVA630

### Available HV adapter cable sets in three different lengths (article no.):

Connector	0.6 m	1.2 m	3.0 m
HVA280	7248822001	7254852001	7256932001
HVR50	7248823001	7254853001	7256933001
HVA630	7248824001	7254854001	7256934001
HVR51	7248825001	7254855001	7256935001
MEB	7248826001	7254856001	7256936001
HPS40-1	7248829001	7254859001	7256939001
HPS40-2	7248827001	7254857001	7256937001
HPK	7248828001	7254858001	7256938001

The variety of HV adapter cable sets is constantly extended by new developments.

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