KISTLER
measure. analyze. innovate.

Contact resistance in e-vehicle screw connections

Seminar description
E-cars have extremely powerful drive batteries and have a high-voltage section and a separate 12-volt battery.
One vehicle, two batteries and two voltages - that requires special attention when bolting the vehicles.
It's no longer just about the mechanical fastening of vehicle components, many screw connections are deliberately designed to be live, have potential, others must be potential-free.

Seminar content
This training provides an introduction to the bolting technology of modern e-vehicles:

- Why do e-cars use different batteries
- Electrical resistance in motor vehicles
- Dimensions of electrical wiring
- contact resistances
- connectors
- Oxidation, pollution and their impact
- Electrochemical series
- Screwing challenge
- Outlook: Screw connection with accompanying contact resistance measurement

Target group
Persons who carry out or develop screw connections on vehicles or carry out troubleshooting.

Prerequisite for participation
General technical basics

Duration
1/2 day

Seminar number
9966B2022-06-2

This seminar can also be held on your premises upon request. Date and price on request.

Register at
training.de@kistler.com

961-718e-11.22