

# OFF-HIGHWAY Solutions

## OSCILLOSKOP

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**TEXA**

# Electrical diagnostics

In many cases, autodiagnosics cannot provide the answer. If a vehicle's ECUs have no errors logged, the problem may well lie in an electrical or mechanical failure. Conventional diagnostics are needed in these circumstances and analog and digital measurements are taken to determine the efficiency of components like the battery, sensors, actuators and CAN network. TEXA's UNIProbe and TwinProbe interfaces let you make all the physical measurements you need to perform a conventional diagnosis and identify potential faults.





The UNIProbe and TwinProbe are two devices for acquiring the analogue and digital measurements needed for conventional diagnostic testing.

## UNIProbe

The UNIProbe includes:

- Oscilloscope: four independent analogue channels, complete with SIV function for interpreting measured signals.
- Battery Probe: for testing the battery, analysing and checking the entire starting and charging system.
- TNET: for the measurement and electrical analysis of CAN automotive communication networks.
- Signal Generator: for simulating the pulses generated by sensors and the commands generated by control units and testing solenoid valves and other components.
- Multimeter: for voltage, resistance and current measurements (using a clamp-on ammeter).
- Pressure Tester: for checking fuel supply and turbocharger pressure on all vehicles.



## TwinProbe

The TwinProbe includes:

- Oscilloscope: two independent analogue channels with inputs up to  $\pm 200V$ , complete with SIV function for interpreting measured signals.
- Signal Generator: for simulating the pulses generated by sensors and the commands generated by control units and testing solenoid valves and other components.
- Ammeter: for measuring currents. A BICOR clamp-on ammeter is needed to allow TwinProbe to run these tests.

