



# EV & PHEV 3-Phase Breakout Test Lead W3PhBTL

## Electric and Hybrid Vehicle 3-Phase Testing

### Motor and Generator Testing

Unique breakout test lead for testing EV and PHEV electric motors and generators.

### Save labour and time

Remove the requirement to fight through cable shielding and making good.

### Simple operation

Simply disconnect the 3-Phase cable inserting the breakout lead in-line and reconnect it. Use the now accessible breakout lead to make your measurements.

Warwick Test Supplies specialises in providing innovative solutions to electronic testing problems. As well as providing bespoke/custom assemblies, we are a Franchised Distributor for the supply of a wide range of test accessories from the world's leading manufacturers.



- Conduct fast and safe testing of electric motor and generator stator windings
- Connect in-line as a breakout test lead.
- No need to damage 3-Phase cable screening to gain access to the wiring.
- Safely measure current of each phase with a 3-Phase inductive tester.

If an Electric Vehicle (EV) or Plug in Hybrid Electric Vehicle (PHEV) is towed incorrectly or involved in an accident it is possible to damage the stator windings of the electric motor or generator. This damage can be catastrophic if the windings have overheated.

To diagnose or check for damage, the stator windings of a motor can be tested by using a 3-Phase inductive tester to measure the current of each winding. To conduct the test a technician must have access to the 3-Phase wiring to place current clamps on each phase wire. This wiring is usually covered in screening braid making access to the wires very difficult.

The W3PhBTL is designed to simplify 3-Phase stator motor and generator testing by creating an in-line breakout of the 3-Phase wiring. By placing it in the circuit there is no requirement to manipulate and pull apart the cable shielding braiding to gain adequate access to the wiring.

The swift process of disconnecting and connecting the 3-Phase cable with the W3PhBTL will save technicians approximately 1hr of work by removing access difficulties and the requirement to make good any damage to the cable shielding.

