

# R.E.S.T.



## ACDC designed and built the Resolver Electrical Stator Tester (R.E.S.T.)

It is used in the classroom to demonstrate the resolver sensor. This six-wire sensor produces three sine waves that are used to indicate the exact location of the resting rotor (where the magnets are located), before the rotor shaft rotates. This allows the inverter to produce 3-phase current that is sent to the stator at the correct time. It is the only sensor needed to build an EV that an ICE tech has never seen.

The R.E.S.T. allows the student to detect shorted stator windings with a milliohm meter. You can buy just the R.E.S.T. unit or a kit with the correct test equipment, training webinars, and a video.

| P/N     | Description                                                                                              | Cost each  |
|---------|----------------------------------------------------------------------------------------------------------|------------|
| MEV017  | Resolver Electrical Stator Tester w/ built in BOB, stator two position fault switch and AC power supply. | \$3,950.00 |
| MWV005  | Pico Motor Tester                                                                                        | \$895.00   |
| MQJ015  | Insulation Tester                                                                                        | \$325.00   |
| MWK002  | Cat III 1000v double end leads, 3 sets included                                                          | \$66.00    |
| TAR206  | ACDC Code for Motor Training Webinar                                                                     | \$55.00    |
| TAV074  | ACDC Code for REST training Movie                                                                        | \$75.00    |
| BAC016  | ACDC EMV Resource 450-page technical book                                                                | \$350.00   |
| MEV017K | Total for all above                                                                                      | \$5,716.00 |

### This Unit Demonstrates

1. Resolver wave forms.
2. Known good windings in the 3-phase motor.
3. A shorted motor winding. Phase-to-Phase.
4. Shorted winding to the case.



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