

# ELECTRIC VEHICLE MOTOR REDUCER TRAINING EQUIPMENT

**REFERENCE : Y4050**



*Non contractual photo*

**SERVICE :**

- Motor control equipment is using CAN communication to experiment motor and controller, and is made for a number of features to control in electric vehicle.
- Electric vehicle motor control experiment trainer has a built-in power supply and the electric vehicle is changed by single phase 220V power supply, the speed control and diagnosis can be checked by accelerator, and the acceleration, deceleration test are available.

## Educational Objectives :

- Electric Vehicle Motor Control.
- Adjustment of the acceleration rate, deceleration rate.
- Control the Regenerative braking rate.
- Set up for acceleration sensor.
- Adjust the torque curve from the motor.
- The battery input voltage adjustment.
- Adjust the maximum running speed.
- Electrical Data recording while driving. (voltage, current, speed, slip, etc)

## Technical specifications :

- Composition

### 1. motor specification

- Motor 72V/7 kw single motor
- Battery : lead
- Direct drive wheel inside the motor
- The standard built-in charge : 72V ~ 165 Ah
- Controller

### 2. Manufactured structure for studying motor control driving principle of electric vehicle with the naked eye

### 3. Configure the electric vehicle motor control experimental apparatus

- key Box System : 1SET
- Key Switch and Connecting Cable Set
- Controller : 1SET
- Electrical control contactor modules : 1SET
- Charging parts set : 1SET

- Charging system : 1SET - Electric motor 72V/7kw single motor : 1SET

- Key box system, the controller, the control module contactor, the charging system, the motor is included to be made to the motor control apparatus for an electric vehicle experiment

- Delivery, installation, training can be conducted in line with software for setup using CAN communication