

## EV-XL31 (EV CAR POWER STEERING SYSTEM TRAINER)

### PRODUCT DESCRIPTION



The power steering system module Adopt BYD E5 original electric power steering system; it can be connected with the vehicle control system unit for the vehicle integration display. It truly presents the connection control relationship, installation position and operation parameters between the core components of the EPS system, and trains the students' ability to analyze and deal with the system faults, which is suitable for the teaching and maintenance training of hybrid electric vehicles in vocational and technical colleges.

### PRODUCT DESCRIPTION

On the basis of the mechanical steering system, the latest electronic technology and high-performance motor control technology are applied to the automotive steering system. Can provide real-time steering wheel power to the driver . The system consists of the following parts:

- (a) Torque and corner sensor,
- (b) Vehicle speed sensor,

- (c) EPS electronic control unit,
- (d) EPS motor, and
- (e) Related mechanical structures.

The EPS system is powered by the EPS motor, and the power size is adjusted and controlled by the EPS electronic control unit. The main components are installed on the platform, and the electrical connection mode is the same as that of the real car. It can be easily removed after power failure, so that students can master the disassembly points of EPS system components during the disassembly connection process. The 10-inch fault terminal can be used for fault generation, and the number of faults can be more 10 help student to facilitate troubleshooting exercises. The panel adopts advanced aluminium plastic plate with damage resistance, pollution resistance, fire prevention and moisture resistance, and the surface is treated with special process spraying primer; the panel is printed with colour circuit pin definition.

### **SPECIFICATION**

Product size (mm)	2200*800*1600 (L*W*H)
Work temperature	20°C-60°C
Low voltage control work power	DC12V
Power drive type	Electric power driving

### **PRODUCT DESCRIPTION**

Steering wheel and steering string assembly, electric power steering device with transverse pull rod assembly, front auxiliary frame, front suspension assembly front wheel, movable teaching board.