



DEMONSTRATION BENCH OF BEV BRAKING ENERGY RECOVERY SYSTEM



AUTOTRONICS - DEMONSTRATORS

DL DM48

LEARNING EXPERIENCE

This demonstration bench shows the BEV braking energy recovery system and it can dynamically simulate the running status under different operating modes. The device applies to theoretical teaching and maintenance training of the BEV braking energy recovery system for secondary vocational skill schools.

GENERAL CHARACTERISTICS

- Dim. mm (HxLxW) : 1700x1600x700
- Weight approx. 100 kg
- Input power supply: AC 220V±10% 50 Hz
- Operation voltage: DC 12V
- Working temperature: -40°C ~ +50°C.

ACCESSORIES

MAIN CHARACTERISTICS

The demonstration panel is installed with the following components including: ignition switch, operating mode switch, throttle pedal, gearshift switch, brake switch, multi-functional LED display, motor controller, DC controller. The trainer is supplemented with light emitting diode for dynamic indication of system flow direction

Main components:

- one driving wheel
- battery
- charging socket for battery charging

OTHER CHARACTERISTICS

- Main board panel is made of 4 mm advanced aluminum plate, corrosion resistance, impact resistance, anti-pollution, fire resistance and moisture resistance. Its surface is processed with special spraying primer;



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Suggested instruments for best practice:

- Digital Multimeter (not included)

- b) Instruction board panel is made of 1.5 mm molded aluminum frame structure. Chassis part is welded with the steel structure, the surface is processed with spraying. The chassis is equipped with a self-locking casters.
- c) A small table top shelf is fixed on the main board frame to place material and testing devices

The instruction board is supplied with an AC power of 220V which will be converted into a DC power of 12V through an internal transformer rectifier, without battery and recharging. The DC power supply of 12V is provided with protection function against short circuit.

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