Email : sales@scilabexport.com
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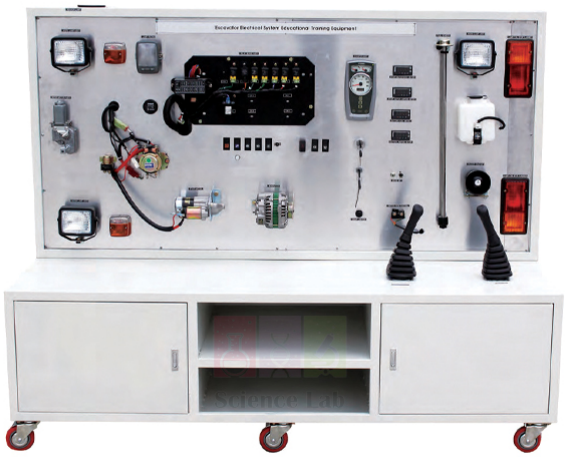
Product Name :

Excavator Electric Circuit Training Simulator

Product Code :

SLE/ATE/21



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Description :

The Excavator Electric Circuit Training Simulator lays out the electronic systems of a Hyundai heavy machinery excavator 555-7K on an open frame, so trainees see where each part sits and how it behaves. They work the operating and hydraulic levers, lights and horn, watch the instrument panel respond and measure the input and output of every component.

Excavator circuit simulator specifications

Parameter	Detail
Basis	Electronic systems of a Hyundai heavy machinery excavator 555-7K
Composition	Battery, operating lever, light system, horn, hydraulic lever, instrument panel, starter motor, battery connector, relay, digital meters and other parts
Layout	Components normally hidden on an actual machine opened out to show their operating state and location
Purpose	Understanding excavator electrical components; troubleshooting and inspection theory and training
Training content	Measuring the input/output data in each component
Size	Approx. 2,000 × 600 × 1,700 mm
Product code	SLE/ATE/21
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Fault-tracing exercises on the excavator circuit

Starting circuit walk-through. With the battery connector made, trainees operate the starter circuit and note the voltage at the battery, the relay and the starter motor. A digital multimeter in each pair's hands lets everyone take the readings, which are then repeated while the starter turns.

Lights, horn and instrument panel. Operate the light system and horn, then move the operating lever and hydraulic lever and watch the instrument panel respond. Students mark the input and output of each component on a copy of the layout and keep it as the healthy-circuit record.

Logical fault finding. With normal values on record, the instructor isolates the battery, alters one connection and reconnects it. Trainees work through the battery and connector first, then the relays, starter motor and switches, and explain each reading that

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