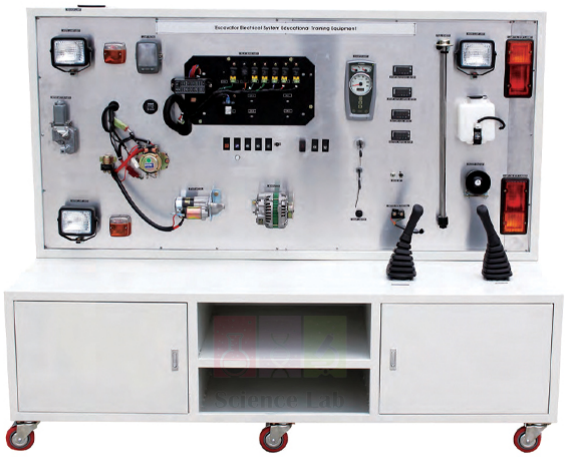
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Product Name :

Excavator Electric Circuit Training Simulator

Product Code :

SLE/ATE/21



Email : sales@scilabexport.com
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Description :

Excavator Electric Circuit Training Simulator (Product Code: SLE/ATE/21) is an open-layout electrical trainer used to teach troubleshooting and inspection of a hydraulic excavator's electric circuit in heavy-machinery and construction-equipment courses. It uses the electronic systems of a Hyundai heavy machinery excavator 555-7K, with parts that are hidden on a real machine laid open so trainees can see their location and operating state. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

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, etc.
Layout	Components normally hidden on an actual machine are opened out to show operating state and location
Purpose	Understanding excavator electrical components; troubleshooting and inspection theory and training
Size	Approx. 2,000 × 600 × 1,700 mm
Training content	Measuring the input/output data in each component
Product code	SLE/ATE/21
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Excavator Electrical Trainer Used For?

Excavator operators and service technicians meet electrical faults that are hard to trace on a working machine, where wiring runs behind panels and under the cab. On this simulator, trainees work the operating lever, hydraulic lever, horn and lights and watch the instrument panel respond, then measure the input and output at each component to learn what a healthy circuit looks like. With those normal values recorded, instructors can walk them through a logical fault-finding sequence: battery and connector first, then relays, starter motor and switches.

The open layout also helps with component identification for learners who will later work on real machines at construction and mining sites. In a TVET heavy-equipment workshop, pairing it with an operator simulator lets students learn both how the machine is driven and how its electrical system supports those controls. Disconnect the battery connector before changing any wiring on the panel.

Supplier

Jain Scientific Equipments Private Limited, trading as ScienceLab from Ambala, Haryana, India, supplies this excavator circuit simulator to ITIs, polytechnics, heavy-equipment training centres, deale
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