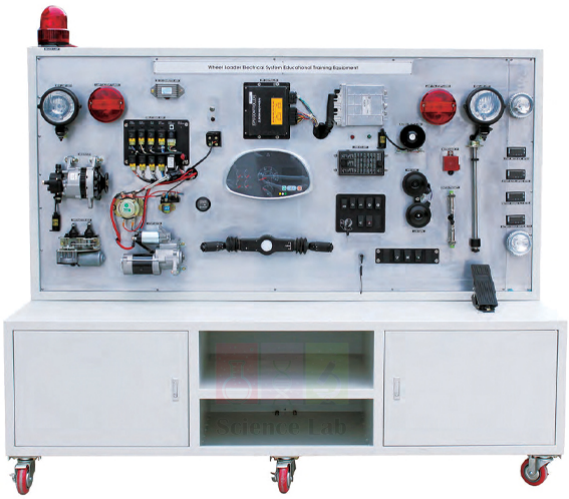
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Product Name :

Wheel Loaders Electric Circuit Training Simulator

Product Code :

SLE/ATE/22



Email : sales@scilabexport.com
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Description :

Wheel Loaders Electric Circuit Training Simulator (Product Code: SLE/ATE/22) is an open-frame electrical trainer used to teach troubleshooting and inspection of a heavy-machinery wheel loader's electric circuit in vocational and engineering workshops. It runs on a DC 24 V battery with an ECU, relays, starter motor, levers and built-in digital meters, so trainees can measure inputand output data at each component. It comes from **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, the OEM technical educational equipment manufacturer, and is made at its own factory in Ambala, India.

Specifications

Parameter	Detail
Basis	Electric circuit equipment using a heavy machinery wheel loader
Power	DC 24 V battery
Composition	ECU, battery, operating lever, light system, horn, hydraulic lever, starter motor, battery connector, relay, digital meters
Meters	2 A meter, 2 V meter (as listed), plus digital meters
Layout	Parts not visible on an actual machine are opened out to show operating state and location
Weight	Approx. 350 kg
Size	Approx. 2,000 × 600 × 1,700 mm
Training content	Measuring the input/output data in each component
Product code	SLE/ATE/22
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Wheel Loader Electrical Trainer Used For?

Wheel loaders run on 24 V electrical systems with an ECU managing many functions, and trainees need to be comfortable with both before they work on machines in quarries, ports or construction sites. On this simulator, students operate the levers, lights and horn and crank the starter motor, reading the built-in meters to build a picture of normal circuit behaviour. Instructors then use that baseline to teach inspection routines and troubleshooting theory: checking the battery and connector, testing relays, and confirming the signals reaching and leaving the ECU.

Because the components are opened out where they can be seen, learners spend less time searching for parts and more time reasoning through a fault. The unit fits naturally into engineering educational equipment for heavy-machinery maintenance courses. Remove the battery connector before altering any wiring, and treat the 24 V battery with the same care as on a real machine.

OEM

Scien nal