SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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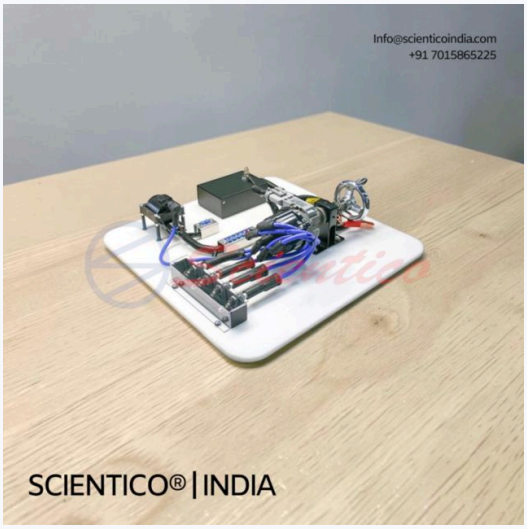
Modern Vehicle Ignition Systems Interactive Course | SC-IGN 2205

Category: TVET Equipments · **Order Code:** IGN 2205 · **Country of Origin:** India

Product Overview

The Modern Vehicle Ignition Systems Interactive Course SC-IGN 2205 is a PC-based course on vehicle ignition systems. It covers conventional, dual-spark, transistorised, and electronic ignition with animations, oscilloscope trace analysis, and eight simulated faults for troubleshooting practice.

View this product online: https://scienticoindia.com/product/modern-vehicle-ignition-systems-interactive-course-sc-ign-2205/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Modern Vehicle Ignition Systems Interactive Course SC-IGN 2205 — Technical Specifications

Parameter	Value
Tender Item ID	11005
Model No.	SC-IGN 2205
Item Code / CIC	TTS / EEE
Brand / Origin	Scientico / India
Course Type	Interactive PC-based
Fault Simulation	8 simulated faults
Language	English
Documentation	Trainer and student manuals, 2 sets per laboratory
Licence	Perpetual site licence, no recurring fee

Technical Data

Learning Content:

- Ignition spark generation
- Ignition timing with mechanical and map control
- Conventional and dual-spark ignition
- Transistorised ignition with Hall and inductive sensors

- Electronic ignition
- Ignition oscilloscope trace recording and analysis
- Static and rotating HV distribution

Fault Simulation:

- 8 simulated faults for diagnostic and troubleshooting training

Key Features

Key Features

- Interactive Course: PC-based learning with animations
- Ignition Coverage: Conventional, dual-spark, transistorised, and electronic systems
- Timing Control: Mechanical and map-based ignition timing
- Oscilloscope Analysis: Recording and analysis of ignition traces
- Fault Diagnosis: 8 simulated faults
- Perpetual Licence: Site licence for all laboratory workstations, no recurring fee

Experiments

- Ignition spark generation
- Ignition timing with mechanical and map control
- Conventional and dual-spark ignition operation
- Transistorised ignition with Hall and inductive sensors
- Electronic ignition operation
- Ignition oscilloscope trace recording and analysis
- Static and rotating HV distribution
- Diagnosis of simulated ignition faults

Construction and Design

The course combines application software with animations and an experiment unit for pulse generation and ignition systems. The experiment unit supports practical ignition circuit work using virtual instruments.

Software

Course application software with animations, English language, perpetual site licence for all laboratory workstations.

Scope of Delivery

- 1 Course software with animations (perpetual site licence)
- 1 Experiment unit for pulse generation and ignition systems
- 2 Trainer manual sets with exercises and model answers
- 2 Student manual sets with exercises and model answers

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q: What ignition types does the SC-IGN 2205 cover?
A: It covers conventional, dual-spark, transistorised, and electronic ignition systems.

Q: How many faults can be practised?
A: Eight simulated faults support diagnostic and troubleshooting training.

Q: Which language is the course in?
A: The course software and documentation are in English.

Q: What instruments are used for practical work?

A: Experiments use software-based virtual instruments on the interactive training hardware or any functionally equivalent system.

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