SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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Alternator Trainer Externally Regulated | Torquemaster-29

Category: Automobile Engineering Lab Equipment · **Order Code:** TORQUEMASTER-29 · **Country of Origin:** India

Product Overview

Alternator Trainer Externally Regulated Torquemaster-29 lets instructors demonstrate automotive charging systems with external voltage regulation. Built by a trusted Alternator Trainer manufacturer, this unit is driven by a 120VAC electric motor and includes a built-in voltmeter and ammeter, a drive belt enclosed in a safety shield, and test points for diagnosis. Core components include an alternator, driving motor with AC drive, battery terminal block, voltage regulator and associated wiring. A synoptic diagram and protective cover support safe, clear classroom demonstration.

View this product online: https://scienticoindia.com/product/alternator-trainer-externally-regulated-torquemaster-29/



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

Technical Specifications

Alternator Trainer Externally Regulated Torquemaster-29 — Technical Specifications

Parameter	Value
Drive Motor	120VAC electric motor
Instrumentation	Built-in voltmeter and ammeter
Drive Belt	Enclosed in safety shield
Diagnostics	Test points for diagnosis
Regulation Type	External regulation
Length	800 mm (approx.)
Width	600 mm (approx.)
Height	500 mm (approx.)
Weight	65kg (approx.)

Technical Data

Drive System

Parameter	Value
Motor	120VAC electric motor
Drive Belt	Enclosed in safety shield

Instrumentation

Parameter	Value
Voltmeter	Built-in
Ammeter	Built-in
Test Points	Provided for diagnosis

Regulation

Parameter	Value
Type	External regulation

Dimensions and Weight

Parameter	Value
Length	800 mm (approx.)
Width	600 mm (approx.)
Height	500 mm (approx.)
Weight	65kg (approx.)

Key Features

Key Features

- **Drive Motor:** Driven by 120VAC electric motor
- **Instrumentation:** Built-in voltmeter and ammeter
- **Safety Cover:** Protective cover included
- **Drive Belt Safety:** Enclosed in safety shield
- **Diagnostics:** Test points for diagnosis
- **Regulation Type:** External regulation
- **Core Components:** Alternator, driving motor with AC drive, drive belt, battery terminal block, voltage regulator, associated wiring
- **Manufacturing Standard:** Built by a trusted Alternator Trainer manufacturer for reliable classroom demonstration

Construction and Design

The Alternator Trainer Externally Regulated Torquemaster-29 contains an alternator, a driving motor with AC drive, a drive belt, a battery terminal block, a voltage regulator and the associated wiring. The trainer is driven by a 120VAC electric motor. A built-in voltmeter and ammeter are fitted for measurement. The drive belt is enclosed in a safety shield. Test points are provided for diagnosis. The system uses external regulation. A synoptic diagram and clear layout of all control and instrumentation units are provided for simple operation explanations. The trainer is equipped with all safety equipment required for demonstration, including a protective cover. As a dedicated Alternator Trainer manufacturer, SCIENTICO India builds this construction to help students understand charging system operation and testing procedures with external regulation.

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 is the Alternator Trainer Externally Regulated Torquemaster-29 used for?
A: It allows instructors to demonstrate the operation of automotive charging systems with external voltage regulation, helping students understand operation and common testing procedures.

Q: What components does the trainer contain?
A: An alternator, a driving motor with AC drive, a drive belt, a battery terminal block, a voltage regulator, and the associated wiring.

Q: What safety features are included?
A: A protective cover and a drive belt enclosed in a safety shield, along with all safety equipment required for demonstration.

Q: What instrumentation is built into the trainer?
A: A built-in voltmeter and ammeter, along with test points for diagnosis.

Q: What are the dimensions and weight of the trainer?
A: L x W x H (approx.): 800 x 600 x 500 mm, weight (approx.): 65kg.

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