

AETB 1 Phase



Introducing the latest, user-friendly, hi-tech Auto Electrical Test Bench from Bosch that enables easy, fast and accurate testing for a wide range of Alternators and Starter Motors. Highly compact, this test bench can be operated at two speeds, ensuring thorough testing at both, higher and lower speeds.

Features

- ▶ Table-top model
- ▶ Fixed 12 V / 24 V field supply
- ▶ Fitted with digital ammeter / voltmeter for easy reading
- ▶ Maximum capacity of alternators that can be tested: 90 amps at 12 V and 70 amps at 24 V
- ▶ Provision for checking and testing alternators at two speeds
- ▶ Starter free spin testing directly from battery
- ▶ Starter short-circuit test facility available
- ▶ Alternator loading through six rotary switches
- ▶ Battery charging facility available during the Alternator testing process
- ▶ Vehicle simulation of battery charging through Alternator
- ▶ Provided with 12 V battery supply for testing a wide range of electrical components like horns, bulbs, relays, child parts of Starters and Alternators

Technical Specifications

Parameter	Value
Instrumentation	Alternator output current - Digital Panel meter 0-100 Amps DC
	Alternator output current - Digital Panel meter 0-100 V DC
Drive	220 V single phase, 2 HP, 1,440 rpm induction motor, protected with circuit breakers
Protection	Circuit breakers in case of sudden surges in voltage Fuses provided for protection of Rectifiers, Battery, etc
Power Requirement	220 V single phase, 15 Amps
Vice	Heavy duty, fast mounting for alternators and starters
Dimensions	650 x 725 x 550mm (L x B x H)
Weight	85 kgs
Device	Part No.
AETB 01	F 002 H30 025-4AR

AETB 3 Phase



The new 3-Phase Auto Electrical Test Bench comes with advanced features to ensure the testing of even higher capacity Alternators from Bosch. This Test Bench is loaded with features that makes it extremely efficient and very safe to handle.

Features

- ▶ Maximum Alternator testing capacity up to 170 A / 12 V and 110 A / 24 V
- ▶ Starter free spin test with timer circuit for auto cut-off
- ▶ Starter with short circuit test protection
- ▶ Testing at high speed (6,000 rpm) and low speeds (1,500 rpm, 1,800 rpm) with test pulley
- ▶ Testing of both V Pulley and Poly V groove pulley mounted Alternators
- ▶ Cam operated heavy-duty rotary switches for loading Alternator Test run around 10-20 minutes
- ▶ Voltage, current display for Alternator, Starter and Battery
- ▶ Battery charging facility through Alternator simulating the vehicle condition
- ▶ Two fans mounted on the top frame for air-circulation to avoid overheating

Technical Specifications

Parameter	Value
Instrumentation	3 Independent Ammeter 0-200 amps DC (For Alternator, Starter and Battery) 1 Common Voltmeter 0-100 V DC
Drive	5 HP 1,440 rpm 3 Phase foot-mounted induction motor, Protected with circuit breakers
Protection	Main MCB – Complete Test Bench protection; Built in overload relay – motor protection; Electronic cut-off – Starter short circuit protection; MCBS – Starter AC circuit protection
Power Requirement	3 PH - 5 Wire System with 415 V / 50 Hz, 15 Amps capacity - R / Y / B / N with Grounded
Vice	Rugged mounting suitable for all alternators
Dimensions	900 x 850 x 650mm (L x B x H)
Weight	85 kgs
Device	Part No.
AETB 03	F 002 H32 332-4AR