



Start Charging Today

[www.stremtec.com](http://www.stremtec.com)

World-wide No.1 supplier of Alternator ,  
Starter & Parts Test Equipment and Tooling  
for the Aftermarket.

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**AUTOC  
DIAGGER**



**Rotrix**  
Technical Products

[www.stremtec.com](http://www.stremtec.com)

ENG  
2026\_03 Brochure

# Rotrix\* & \*Autodiagger brands stand for high quality test equipment.

Key words explaining our equipment reliability, sturdiness look and simplicity, but now with the highest possible technology inside, under our super vision we develop the latest test benches, under our own brand "Rotrix" & "Autodiagger" testers and parts testers.

We developed several small testers and test benches that are an addition to your current tester.

This means you can now test modern non and computer-controlled alternators and even 48V alternators using your old testing device.

To complete our range, we also have several parts testers for regulators, rectifiers and diodes.

*\*Rotrix & \*Autodiagger are Stremtec brands*

## Autodiagger test equipment

AD100+	Handheld Alternator Tester
AD500	Alternator & Starter Testbench

## Rotrix Equipment

### **Benchtop , Testers & Tooling**

TSH-248	Advanced all-in-one 12/24 & 48V portable tester
TSH-048VC	48V Audi Continental tester
TSH-048VM	48V Audi Continental Mini tester
TSH-ST35HS	Valeo ST35 Alternator hall-sensor tester
TSH-280	Valeo ST35 Calibrator/Tester
TSH-016	Handheld Alternator Tester
TSH-030	Portable Alternator & Regulator Tester
TSH-010	Diode Tester
TSH-012	Regulator Tester
TSH-002A	Alternator, Starter & Regulator Tester
TSH-004	Alternator Tester
TSH-006	Alternator & Starter Tester
TSH-008	Alternator, Starter & Regulator Tester
TSH-500	Alternator & Starter Testbench 12,24 & 48V
TSH-003D	Armature Growler
TSH-007	Bearing Puller Set
TSH-065	Connection Studs
TSH-070	Conical B+ Clamps

## Alternator Plugs and Harnesses



Stremtec has a stock of various connectors and harnesses for the most common car alternators. These connectors can easily replace the old and broken ones to get the alternator operating again.



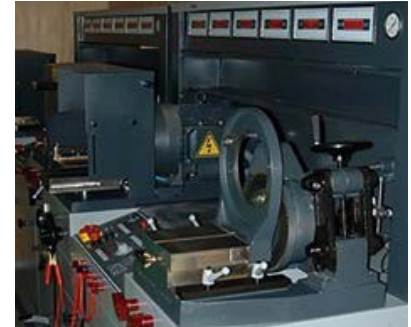
## OTHER

### VP-028 Pulley Removal Set



With the pulley removal set, welded pulleys of the Valeo (i)ST-Series alternators can easily be disassembled.

### Spare Parts Old and New Testers



For both old and new types of Motoplat testers, we have a stock of various spare parts. Please contact us for the availability.

# AUTODIAGGER

## AD100+

Device identifies type of protocol, manufacturer of alternator and it's ID or class plus DFM  
User can fluently change voltage of alternator from 12 to 16 volts

### Protocols:

- COM (Lin1, Lin2, BSS)
- Display error messages such as mechanical, electrical, temperature
- SIG - Ford, Mazda, Land Rover plus FR - current usage of alternator
- PD - Mazda old type
- RLO - Denso types for Toyota plus FR
- L-RVC - General Motors plus FR
- C - Denso and Mitsubishi plus FR
- DFM - current usage in Lamp controlled alternators

### OEM

- Supported Protocols (12 / 24V)
- COM - (LIN1, LIN2, BSS, BSS2, BSS3) / LIN GRC 24V
- Detects error messages (mechanical, electrical, thermal)
- SIG - Ford, Mazda, Land Rover
- PD - Several models of Mazda
- L - RVC - General Motors
- C - Denso, Mitsubishi
- DFM - Current Output Measurement



## Diagnostic equipment for automotive market

Autoddiagger delivers innovative and competitive diagnostic tools for your workshop. Our team has a unique approach towards car diagnostics - we bring technology closer to everyone who has the need for complex alternator, starter testing. Our devices are easy to operate and bring relevant test results in conjunction with affordable prices. We are an experienced remanufacturer and use our tools every day and always look forward to improve.



# AUTODIAGGER

## AD500

### Starter & Alternator testbench

- All in one testing solution with digitally controlled 300 A load
- Tests all modern type of alternators (COM, SIG, RLO, RVC, C, PD, DFM)
- Motor 9,5 Hp
- 1A step control for accurate testing up to 300 A (no false interpolation)
- Variable pulley speed up to 6000 RPM
- Database of 1 million manufacturer references
- Built in oscilloscope for automatic/ manual check of diodes and stators
- Automatic and manual tests
- Two types of automatic tests (standard and performance)
- All types of BSS/BSD and LIN protocols, LIN GRC 24 Vis also supported
- Compatible with 12 V and 24 V parts
- Complete starter electrical test, free rotation run with curves
- Industrial 15 inches touch screen (works with and without gloves)
- Integrated Windows 11 computer without moving elements inside (SSD)
- Extended support included in offer
- I-STAR HW READY
- USB update for both reference database and firmware
- USB printing of test results with curves



**Rotrix**  
Technical Products

New to the market since 2020

- Advanced test equipment and tooling
- Excellent quality and competitively priced

Guaranteeing latest technology (parts) testers for the  
OE , aftermarket and remanufacturing industry

# TSH-248

All-in-one portable tester  
Worlds first affordable aftermarket  
**12, 24 & 48V** tester



- Developed in house
- Power supply 12VDC-80VDC
- HMI Touchscreen
- Wifi / Bluetooth
- 2 High-speed processors
- Can-bus 2.0 / 1MBPS
- Can-bus FD / 8MBPS ready
- Diagnose 48V iBSG up to 80VDC
- In-depth diagnosis of all data
- Tests 48V Audi, Ford, BMW, Hyundai/KIA, VW, JLR and more...
- Tests all LIN & BSS
- Tests all Valeo iST's charging and starting functions
- Dual LIN/CAN testing capabilities for comparison testing
- Convenient and easy to use
- Online updates\*



# TSH-048VC

## iBSG start/stop tester



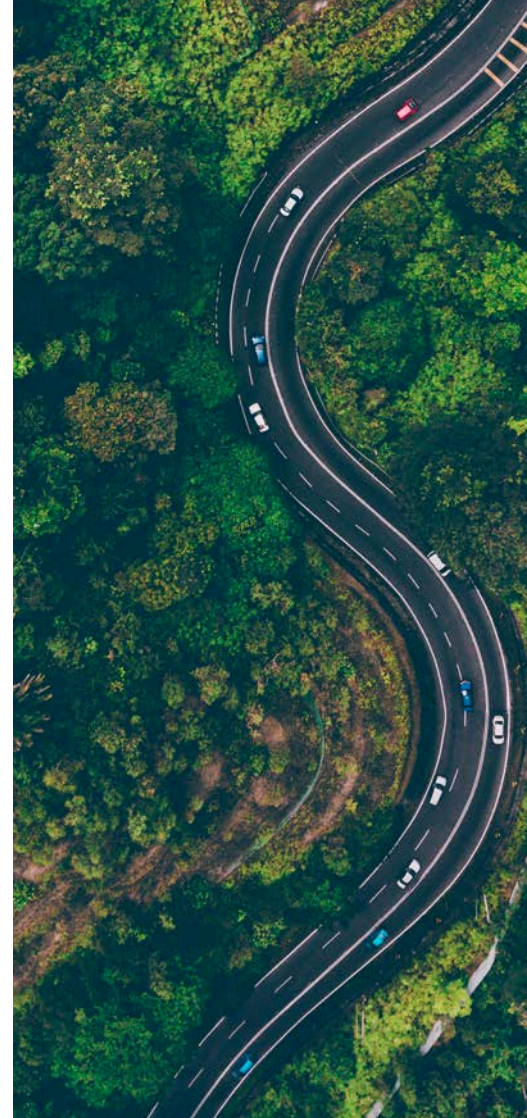
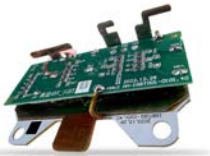
- Worlds first aftermarket Continental tester 48V/250A
- Diagnose 48V iBSG for all types
- Only for Audi
- Convenient and easy to use
- Checks start and charge functions
- 48VDC power supply built-in
- Optional OBD2 Diagnostic tool
- In-depth diagnosis of all data



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### Also available:

- **TSH-575IGBT**  
**Electronic rectifier**
- **TSH-570C**  
**Backplate complete**



# TSH-048VCMini iBSG Start/Stop Tester



- World's first aftermarket Continental tester 48V/250A
  - Diagnose 48V iBSG
  - Only for Audi
  - Small, convenient and easy to use
  - Checks start and charge functions
  - Requires external 12 & 48VDC
- \*Ask for details  
\*48VDC & 12VDC power supplies sold separately

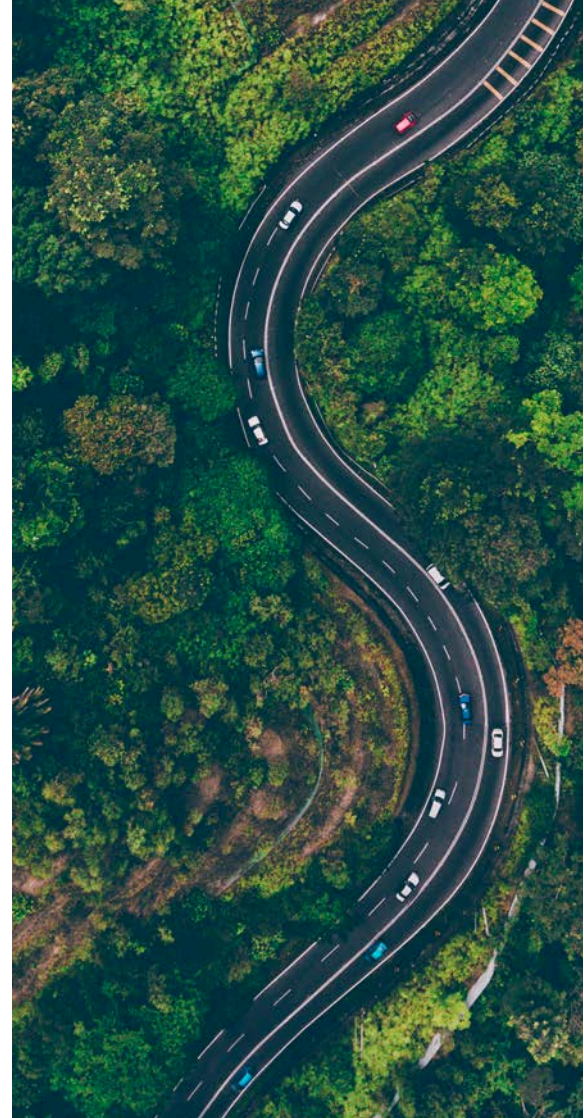
- Optional OBD2 reader
- \*For in-depth diagnosis of all data



## TSH-ST35HS Valeo ST35 Hall Sensor Tester



- Worlds first aftermarket hall sensor tester for Valeo ST35 series alternators
- The tester is used to test and check the hall function of ST35 Start/Stop series alternators. These are alternators with a start/stop system charge the battery and start the engine.
- The tester supports part numbers:  
ST35C010 Citroen, ST35C013, ST35016  
ST35C017, ST35C018 SMART MHD  
ST35C015 MERCEDES



# TSH-280 Valeo ST35 Tester / Calibrator



- World's first aftermarket calibrator/tester for Valeo ST35 series alternators
- The tester is used to test and calibrate Valeo ST35 Start/Stop series alternators. These are alternators with a start/stop system that charge the battery and start the engine.
- The tester supports part numbers:
  - ST35C010 Citroen, ST35C013, ST35016
  - ST35C017, ST35C018 SMART MHD
  - ST35C015 MERCEDES

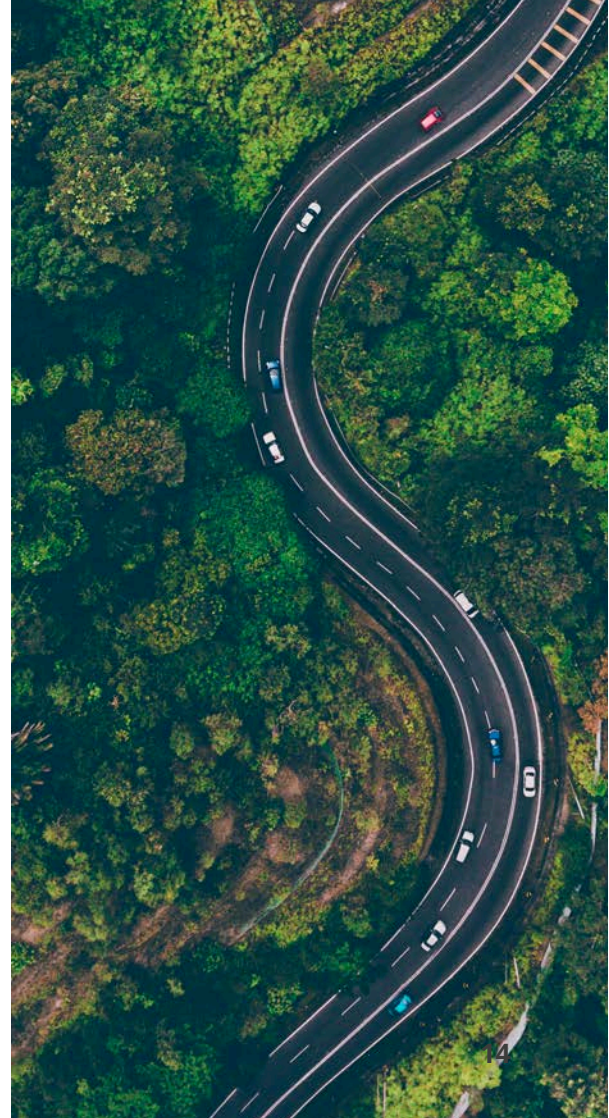
# TSH-030

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## Handheld Alternator Tester

Available in 12 & 24V versions

- On-car testing
- Operates on conventional testers
- Tests RVC, PWM, RC, ,C ,DFM, RLO, PD and COM(LIN,BSS)
- Touch screen
- Affordable
- User-friendly





# TSH-016

## Alternator / Regulator tester

- Diagnose 12V/24V alternators
- Diagnose 12V/24V regulators
- Database
- Touchscreen
- Compact size
- Convenience and easy to use
- USB-C



\*Optional starter test harness TSH-50016 for the TSH-016.

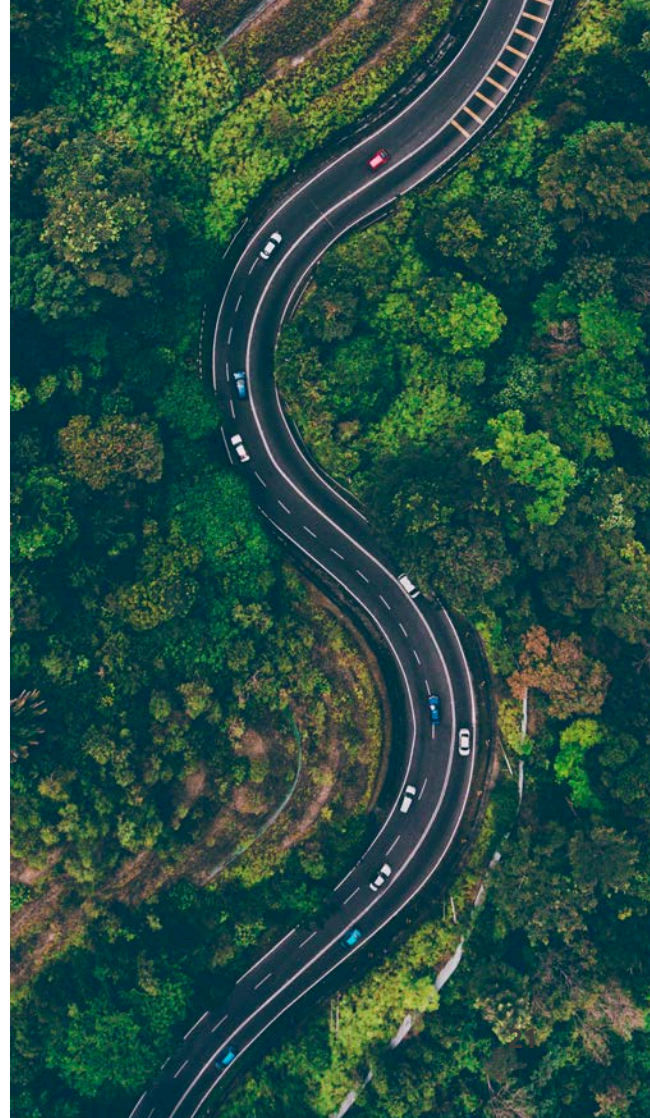


# TSH-010

## Diode tester



- Normal & avalanche diodes
- Short-circuit
- Breakdown
- Open circuit
- Degradation of diodes
- Quality of the contacts between the diode and conductive busbars





# TSH-012

## Regulator tester



12 and 24V voltage regulators with actual value of rotor resistance.  
Connection terminals L/FR, SIG, RLO, RVC, C KOREA, P-D, COM (LIN, BSS),  
C JAPAN

- Continuity lamp circuit
- Output voltage setup
- Feedback channel
- Stabilizing voltage and its correspondence to the setpoint
- Activation of the voltage regulator
- Voltage regulator-maintained load

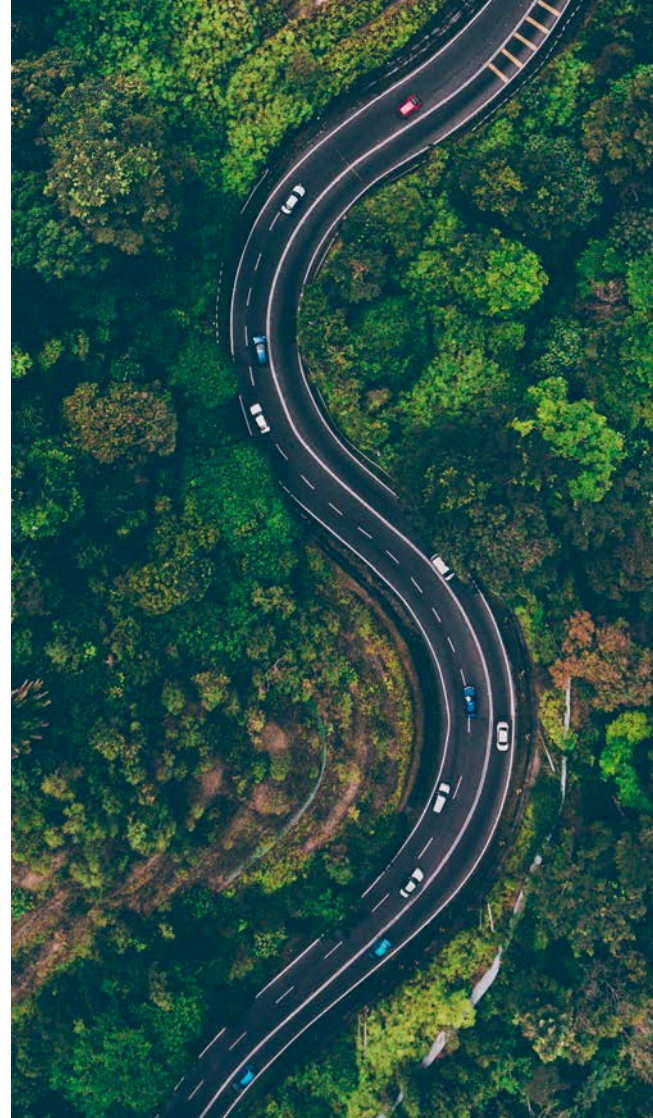
### **COM voltage regulators:**

- Voltage regulator ID
- Operability of the voltage regulator
- Type of protocol
- Data speed

# TSH-002A

## Alternator , starter and regulator tester

- Very affordable!
- 200A/12V; 100A/24V
- 12V Lamp, SIG, RLO, RVC, C KOREA, P-D, C JAPAN, COM (LIN, BSS)
- 24V Lamp, PWM, COM (LIN)
- Measured parameters displayed in oscillograph charts
- Alternators are tested in manual or semi-automatic modes
- Results of a semi-automatic test can be saved and printed
- Database of alternators
- Database of voltage regulators
- Convenient system of fixing an automotive unit on the test bench
- Alternator drive belt automatic tightening
- Special diagnostic cables for connection to alternators (optional)
- 7" touch screen
- Desk-top test bench, compact size
- Much, much more.....

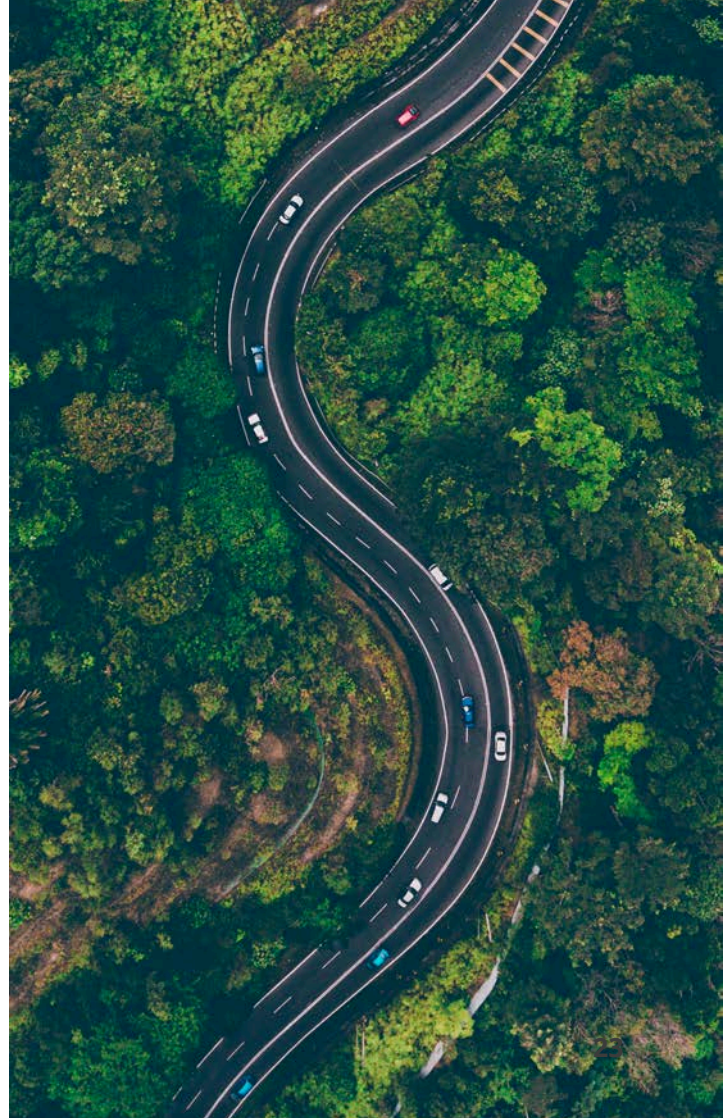


# TSH-004

Alternator, starter and regulator tester



- Compact table test bench is used for quick and quality diagnostics of starters, alternators and voltage regulators without applying any additional measuring devices.
- Has an option to follow testing results realtime
- The latest testing algorithms
- 220V domestic power supply
- Carries out testing of different alternators under load up to 100A
- Testing of 12V and 24V alternators under load
- Much, much more.....





# TSH-006

## Alternator tester

- 12V 0-50A / 24V 0-25A
- Simple and ease of use
- Automatic test mode
- Database by alternator number
- Manual adjustment of alternator RPMs and current load
- Test report printout
- Easy fixation
- Compact size
- Integrated protection system against short circuit.

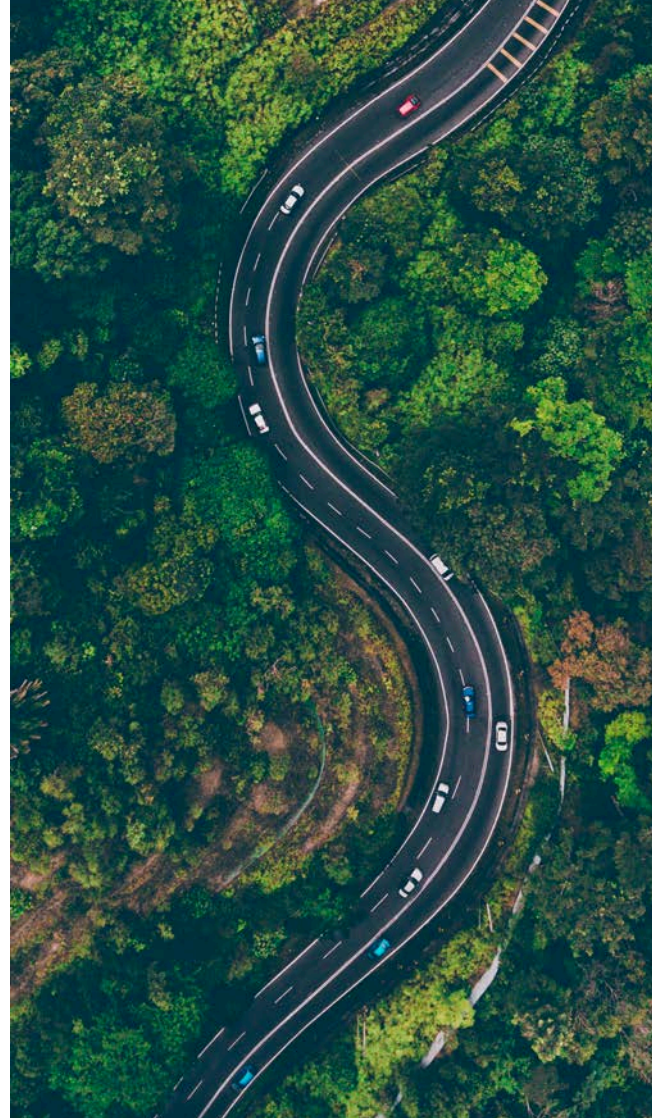


# TSH-008

Alternator , starter and regulator tester



- 150A/12V; 100A/24V; 50A/48V
- 12V Lamp, SIG, RLO, RVC, C KOREA, P-D, C JAPAN, COM (LIN, BSS)
- 24V Lamp, PWM, COM (LIN)
- Measured parameters displayed in oscillograph charts
- Alternators are tested in manual or semi-automatic modes
- Results of a semi-automatic test can be saved and printed
- Database of alternators
- Database of voltage regulators
- Convenient system of fixing an automotive unit on the test bench
- Alternator drive belt automatic tightening
- Special diagnostic cables for connection to alternators (optional)
- 7" touch screen
- Desk-top test bench, compact size
- Much, much more.....





# TSH-500

## Starter and Alternator testbench

**TSH-500 multifunctional test bench designed for the quick and the accurate diagnostics of the automotive alternators and starters of the passenger cars and the trucks. The test bench software is regularly updated for the expanding of the range of diagnosed units. Currently, a new feature is under development: the diagnostics of 12V 'start-stop' alternators and 48V alternators**

The test bench enables the comprehensive evaluation of the technical condition of

- Automotive 12, 24V & 48V alternators with the different connection pins for the loads up to 300A (12V) and 150A (24V);
- Automotive starters with power up to 11 kW and the rated voltage 12 and 24V without load at idle;
- Any lead-acid automotive batteries with the rated voltage 12 V.
- Types of tested alternators  
L/FR, SIG, RLO, RVC, C KOREA, P-D, COM LIN, BSS), C JAPAN



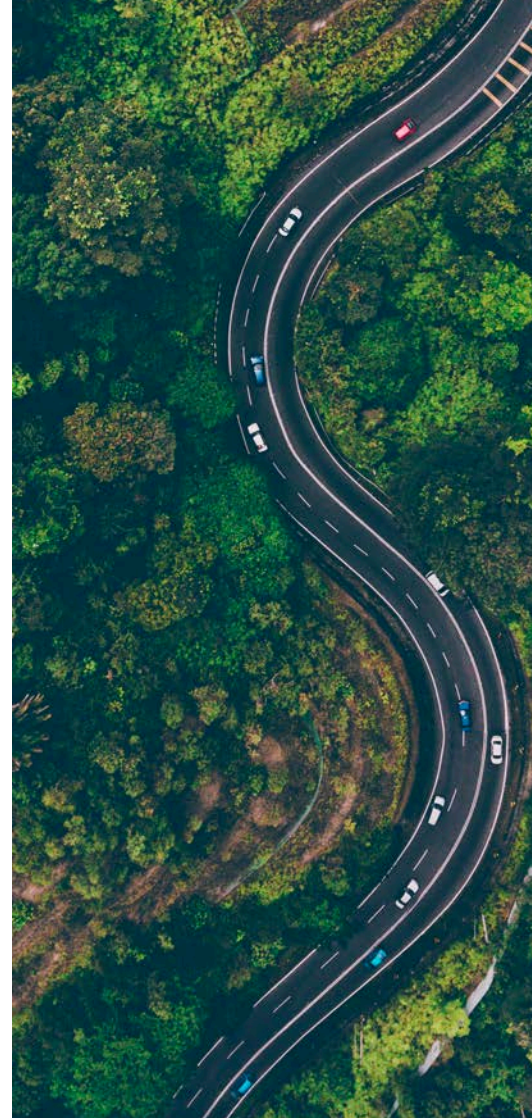
# TSH-003D

## Armature Tester

The TSH-003D is a one of a kind armature tester is a sturdy and easy to use device with a 220v single phase voltage supply.

To test the core of the armature, you simply place it on the V-block, rest the supplied metal strip on the core and slowly turn the armature around its axis. Possible short circuits are identified by small vibrations of the metal strip. The faulty collectors are located where the armature slot and the metal strip meet.

Detecting possible short circuits between the commutator segments of the direct current armature can be done with the supplied test prods. Simply rest the two prods on two adjoining commutator segments and slowly turn the armature around its axis. The ammeter shows if there are any problems with the armature.





# TSH-007

## Bearing puller



- TSH-007 comes in a set of 3 different sizes
- Can be used for several ball bearings
- 6003, 6201, 6202, 6203, 141071, 140419, etc.
- Covers 90% of the alternators
- Can be used on manufactures such as +Line, Bosch, Valeo, Magneti Marelli(Denso), Mitsubishi, Delco Remy and many others.

## TSH-065

### Copper Studs for B+ post

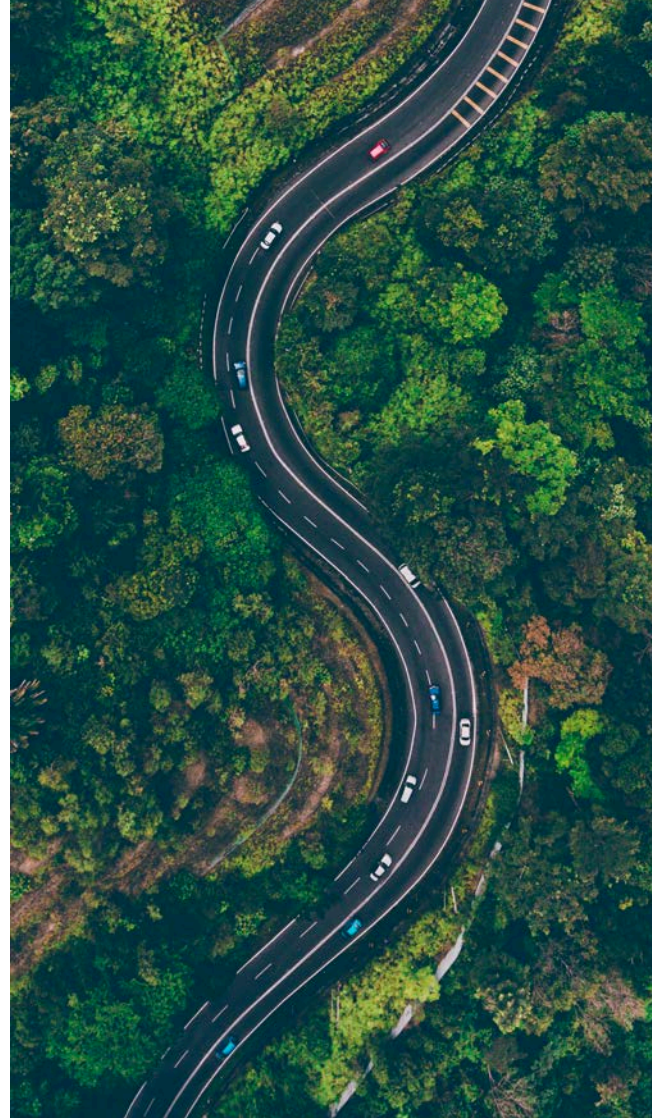
- M6 / M8 / M10(set of 3)
- For alternator and starter testing
- Won't damage the thread when connecting or clamping



## TSH-070

### B+(positive) conicle clamp

- Threaded available in M6 / M8 / M10 (Set of 3)
- Easy to connect to B+
- Spring loaded
- Perfect fit
- For every tester or testbench





## Contact Information



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