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- OTM553 Mini Digital Inclinometer
- OTM551 Digital Inclinometer
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## Refractometer for different liquids

### OTR405



#### Refractometer for AdBlue®\* operating additive

AdBlue is the registered trademark for AUS32 (Aqueous Urea Solution 32.5%) and is used in a process called selective catalytic reduction (SCR) to reduce emissions of oxides of nitrogen from the exhaust of diesel engine motor vehicles.

A Urea Hand Held Refractometer can quickly check the Urea content of Urea solution.

- Large, easy-to-read graphics and high-contrast lens
- Automatic temperature compensation
- Adjustable focus and soft rubber eyepiece for comfortable viewing



### OTR404



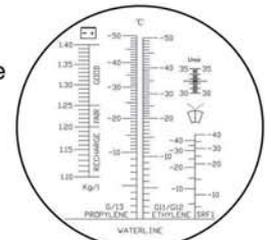
#### 4 functions in 1 tester

Refractometer for radiator coolant, battery acid, windshield washer fluid, AdBlue®\* operating additive

The Refractometer OTR404 indicates the freezing temperature of coolant and windscreen water, the density of battery acid and the quality of AdBlue®\*.

- 4 functions in 1 tester
- Suitable for use on coolant additives such as G11, G12, G13
- Automatic temperature compensation

For testing coolant or windshield washer fluid, a light/dark dividing line is shown on the scale, up to which the temperature in °C (optional in °F) of the coolant or windshield washer fluid is protected against freezing. For testing battery acid, the acid concentration is displayed in kg/l and, in turn, broken down into grades such as recharge/fair/good.



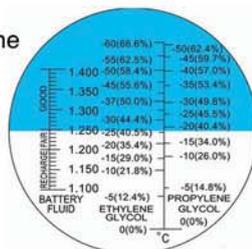
### OTR406



#### Refractometer for ethylene glycol, propylene glycol, battery fluid

Use mainly for testing freezing point & concentration of either ethylene or propylene glycol-based cooling systems & testing ethylene or propylene glycol-based anti-freezing liquids. Also measuring Specific gravity of battery fluid.

- Scope of delivery:
- 1 Refractometer
  - 1 Pipette
  - 1 Instruction
  - 1 mini screwdriver



### OTR407

**NEW**



#### Suitable for coolant additives with Glycerine

#### Refractometer fourfold scale

Refractometer for the testing/evaluation of

- radiator coolant
- windshield washer fluid
- battery acid
- quality of AdBlue®\* operating additive

Suitable for use on coolant additives such as G 11, G 12, G13, Glycerine.

An adjustable eyepiece permits adjustment to the visual acuity of the user. Supplied in a carton pack complete with sampling pipettes and mini screwdriver.



## Ultrasonic Leak Detector

OTL2280

**NEW**



### Ultrasonic Leak Detector

Through the detection of ultrasonic sound, this tool can be used to inspect and check such items as ignition systems, vacuum problems, air brake systems, bearings, gear trains, cam and tappet assemblies, internal combustion engine valving and piston blow-by, gaseous piping and ducting, seals in refrigerated van bodies, air ducts, hydraulic systems, Freon leaks, and many other components.

#### Application

1. Air/Vacuum Leaks
2. Gas and Liquid Turbulence
3. Electrical Discharge
4. Mechanical Wear
5. Sound Generation



Frequency Response: 36000Hz to 44000Hz  
 Operating Environment: Temperature: 0°C to 40°C  
 Relative Humidity: < 75%RH  
 Battery: 9V battery, 6F22 or equivalent, 2 pieces

OTL282



### Ultrasonic Leak Detector

OTL282 is designed to locate leaks in pressure and vacuum systems. It can be used to detect and locate the source of the ultrasonic emission generated by gas or liquid flowing through a small restrictive opening. In conjunction with transmitter, it can also be used for tightness check in sealed compartments such as container, tank, car, etc.

#### Specification:

Alarm Indication: The "LEAK" LED lights and the "ticking tone" increases in frequency  
 Frequency Response: 40kHz±2kHz  
 Operating Environment: temperature: 0°C-40°C  
 relative humidity: ≤80%

OTL268



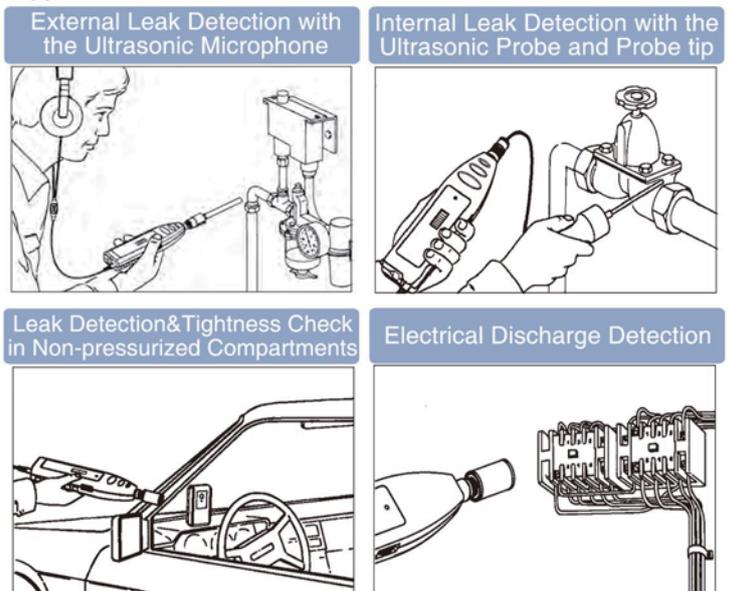
### Ultrasonic Leak Detector

OTL268 is designed to quickly and accurately locate leaks in any pressure and vacuum system. Ultrasonic transmitter generates supersonic waves whose frequency is about 40kHz. By using the ultrasonic transmitter and the leak detector together, you can check tightness of non-pressurized compartments. It is very suitable for detecting cracks of pipes, valves, and for tightness check for cabin, plane, vehicle cabinet, refrigerator, freezing plant, oil tank and other sealed compartments.

#### Specification:

Signal Indicator: LED-array, headphone  
 Frequency Response: 36kHz-44kHz  
 Operating Environment: temperature: 0°C-50°C  
 relative humidity: ≤85%

#### Applications:



#### Kit includes:

- |                         |                          |
|-------------------------|--------------------------|
| 1 Leak detector         | 2 Ultrasonic transmitter |
| 3 Headphone             | 4 Ultrasonic probe       |
| 5 Ultrasonic microphone | 6 Extension tube         |
| 7 Short probe           | 8 Long probe             |

## Automotive Multifunctional Cleaning Endoscope

The instrument is designed for visual A/C cleaning, three-way catalytic converter cleaning, combustion chamber cleaning, it also can be used in detection and diagnosis of engine, cylinder, fuel pipe, engine, muffler, conveyor system, differential, water tank, Gear box wear, carbon deposition, blockage and so on.

### OTB8100Q



### Cleaning Endoscope

- 4.3" big HD screen ,detachable
- Mini HD camera ,the brightness can be adjusted ,large flowing spray-head
- With 9mm flexible metal tube, resistant to bend ,easy to fix.
- View and clean the automotive air conditioning without disassembly through the vent of the car blower
- Attach to the car charger, sustainable working
- The switch of Battery valve button control the liquid and airflow
- Portable design, convenient operation and easy to take

### Specification

#### Monitor

Screen Size: 4.3" TFT LCD Monitor  
Resolution: 320\*240  
Frame Rotation: 360° Rotation & Mirror image  
Interface: mini USB plug, DC 4.35v-6v  
Power source: Li-Ion Battery 1200mAh  
Battery Life: 3.5 hours

#### Camera

Image Sensor: CMOS VGA sensor  
Diameter :9.0 mm  
Resolution: 720\*576 ,300000 Pixel  
Water proof grade :IP67  
FOV:60°  
DOF:3-8cm  
Lighting: 4 lamps, brightness adjusting in 6 levels  
Snake tube Length:80CM  
Working air pressure 6-8kg/cm2  
Spray volume 2.0ml/s,200ml spray out within 120s

### Kit Includes



Package by PE plastic box  
Box size :450\*380\*90mm

### OTB7100Q



### Cleaning Endoscope

- 3.5 inch display screen
- Using 1/5" CMOS OV Sensor, high resolution 0.42MP Camera,
- Waterproof & durable lens
- Video & camera functions
- 4-holes atomization sprayer, cleaning more thoroughly
- 18650 rechargeable lithium battery, 26000mA large capacity
- Using laptop connection mount, making the monitor and handle connection not loose and more stable



### Specification

#### Monitor

Screen Size: 3.5" TFT LCD Monitor  
Video resolution: AVI (640x480)  
Photo resolution: JPEG (640x480)  
Frame Rotation: 360° Rotation & Mirror image  
freeze frame: YES  
Zoom: 4x Variable Digital Zoom  
Interface: Micro USB 2.0/ TV out/ card slot  
TV out: PAL  
Recording media: Micro SD Card  
Power source: 18650 Li-Ion Battery (2600mAh)  
Battery Life: 4hours  
Menu language: Traditional / Chinese, English, French, German ,Spanish, Japanese, Russian

#### Camera

Diameter :8.5mm  
Shaft diameter: 5.4mm  
Resolution: 720\*576  
Camera with temperature control: Optional  
Water proof grade: IP67  
FOV:60°  
DOF:3-6cm  
Lighting: 6 white LEDs  
Snake tube Length:1M (optional 3M)

### Kit Includes



1. Digital Endoscope
2. Probe (φ8.5mm)
3. TV-OUT Cable
4. User's Manual
5. USB Cable
6. Car Charger
7. 4G TF-Card
8. Kettle

## Electronic Stethoscope

### O TEM400



### Automotive Noise Finder

O TEM400 is a portable equipment to diagnose the defect of the vehicle. When the generator is running, it can detect the impact and vibration due to the defect and failure of bearing, gear, valve, rank, cylinder, gear box and vehicle body...etc. With this equipment, you can clearly locate which part of the machine cause the noise and how serious is it.

#### Operation

1. Install the batter
2. Plug the headphones into the jack of the amplifier.
3. Switch amplifier on, the red LED of amplifier shall lights up.
4. Rotate the wheel to turn the probe on and adjust volume by rotating the thumbwheel.

#### Specification:

Frequency Range: 10Hz~100kHz  
Ambient Noise Permitted: 100Db  
Working Temperature: -10°C~55°C  
Power Supply: 9V battery

#### Kit includes:

Stethoscope x1  
Headphone x1  
Probe x1  
manual x1  
9V battery x1

### O TEM410

## Electronic Stethoscope



O TEM410 is a high performance maintenance tool which is particularly suitable for use in machine noise detection. It can quickly and accurately pinpoints noise and location of engine bad bearings, bushings dirty fuel injectors, wind and air leaks, noisy valves and filtersd appliance.

#### Specification

Frequency Range: 100Hz~10kHz  
Input Impedance: >15MΩ  
Ambient Noise Permitted: 100Db  
Power Supply: 9V battery  
Size: 32\*50\*206mm  
Weight: Approx.205g

#### Kit includes:

Stethoscope x1  
Headphone x1  
Probe x2  
manual x1  
9V battery x1



### O TS600



## Electronic Stethoscope,6 Channel

- Listen to six different under chassis locations in one road test.
- Hear noises that can not be duplicated in the workshop.
- Professional headphones shut out surrounding sound.
- Six colour coded, super sensitive microphone clamps attach to problem area.
- 16ft. wire sensor leads reach to all vehicle locations.
- Clamp the multiple sensors on springs, torque rods, shocks body mounts, brakes, dash assembly, door hinges, drive train, rear or front axle, transmission, transfer case, suspension, sway bars, tie rod ends, struts, axle hubs, ring & pinion bearings, mufflers, catalytic converter O2 sensor, A/T case, oil pump, or even an un-torqued bolt.

#### Kit includes:

Includes six sensor clamp attachments with leads and electronic stethoscope with channel selector and headphones. Supplied in blow mold case. Sensor Leads: 16ft(4875mm) x 6

# ENGINE OIL ANALYZER



Engine Oil Tester is designed to measure the health condition of your oil and engine. The unique capacitive sensor can measure the levels of acid and contamination from soot, dust, dirt, wear metals, fuel, water or antifreeze. Only a few drops of oil can instantly tell you the condition of your oil and engine. It works with diesel or gas engine oils.

## OTO350



**NEW**

### Engine Oil Analyzer

**Features and Specifications:**

- Quickly test the performance of gasoline or diesel oil
- Self-calibration function
- 128\*64 LCD display with background light
- 3.7V Li rechargeable battery with 1000Amh
- Operating Environment:  
Temperature range: 15 °C-27°C  
Relative Humidity: <80%

**Explanation for Test Result**

- 0-20%: New oil
- 20%-60%: Excellent / good oil quality
- 60%-80%: Fair oil quality
- 80%-100%: Recommend oil change

## OTO300



### Engine Oil Tester

- Easy to use. To use this tester, you turn it on and wait for 2 seconds for a LED test sequence, select the oil type then you place the oil on the sensor and push the test button. A LED will show the test results.
- Reusable. Power supply by 2 pcs CR2032 replacable batteries .
- Simply clean off the sensor with an absorbent rag, and you are ready for the next test.

**Explanation for test result**

- Any of the #1-7 LEDs flashes green: excellent/good oil quality
- #8 or #9 LED flashes yellow: fair oil quality
- #10 LED flashes red slowly: recommend oil change
- #10 LED flashes red quickly: recommend engine check

## Thermometer

### OTT360

#### Infrared Thermometer



This infrared thermometer accurately measures temperatures like engines, cooling system, ball bearings, tyres and brakes, electrical and electronic systems.

- Temperature range: -50°C ~360°C (-58°F~680°F)
- Accuracy: 2% or  $\pm 2^{\circ}\text{C}$
- Convertible from  $^{\circ}\text{C}$  to  $^{\circ}\text{F}$
- Laser/ Backlight function
- Power supply: 9v battery

### OTT800

#### Infrared Thermometer



This infrared thermometer accurately measures temperatures like engines, cooling system, ball bearings, tyres and brakes, electrical and electronic systems.

- Temperature range: -50°C ~800°C (-58°F~1292°F)
- Accuracy: 1.5% or  $\pm 1.5^{\circ}\text{C}$
- Convertible from  $^{\circ}\text{C}$  to  $^{\circ}\text{F}$
- Laser/ Backlight function
- Min/Max Averaging function
- Data storage
- High/ low temperature alarm
- Power supply: 9v battery

### OTT220

#### Digital Thermometer



Digital thermometer, for testing of the temperature of oil, 3 1/2 digi LCD display.

- Temperature range: -50°C ~500°C
- Accuracy:  $\pm(1\% + 1^{\circ}\text{C})$
- Sensor cable length 1.0m
- Flexible sensor  $\varnothing 3\text{mm}$
- Probe length 180mm
- Power supply: 1.5v battery

### OTT230



#### Digital Thermometer

Digital thermometer with LCD display, can be used for surfaces, liquids, air and gas. The probe connecting lead is equipped with a plug and can be disconnected from the thermometer.

- Temperature range: -50°C ~500°C
- Accuracy:  $\pm(0.2\% + 1^{\circ}\text{C})$
- $^{\circ}\text{C}/^{\circ}\text{F}$  selection
- Data hold function
- Resolution :0.1°C/1°F
- Power supply: 1.5v battery

### OTBT2850



#### Digital Belt Tension Gauge

The Belt Tension Meter Mainly use for automotive belt tension measurement.

- Metric and imperial conversion
- Imperial and Metric units: 0-750Newtons; 0-120 Pounds; 0-77 Kilograms; 0-114 Seems
- Provide "Bluetooth data output" choice
- Handles upto 36mm width belt
- With overload alarm (750Newtons), Maximum load 850N
- With average value calculation function
- Auto switch off and manual shutdown
- With low battery alarm indicator
- Complete with 4 x AAA batteries

## OTS882

**NEW**



### Sound Level Meter

Digital display:	4 digits LCD
Measuring range:	30~130dB
Resolution:	0.1dB.
Accuracy:	±1.5 dB
Frequency range:	31.5 Hz~ 8.5K Hz .
Linearity range:	50 dB .
Microphone:	1/2 inch Electret Condenser

## OTT9236C

**NEW**



### Digital Tachometer (contact / non-contact)

This high quality tachometer is use to measure the revolution and speed of diesel engines. It can be used as a contact as well as a non-contact tachometer. Wide measuring range and high resolution, autoranging, min./max. last data refer , and auto power off fuction.

Detector type:	laser & contact tach
Speed Measure Range:	2.5~999.9RPM & 0.5~999.9RPM
Resolution:	0.1RPM/1RPM
Speed Line Measure Range:	0.05~1999.9m/min
Accuracy:	± (0.05%+1d)
Long Line Measure Range:	0.05~99999m
Laser/photoelectric Measure Range:	5cm~60cm
Display:	5 digital LCD display
Battery Type:	AA1.5V×4
Dimension:	190×72×37mm
Weight:	198g

## Filling And Flushing

### OTO100



### Engine Oil Filler Funnel Set

- Allow for fast oil filling without spillage
- 2 liter funnel fits adator for wide application range
- 6 pcs adapters, aluminium angled extension
- Suitable for use on Audi, BMW, Dodge, Honda, Mazda, Mercedes, Nissan, Subaru, Toyota, Volvo and VW.

### OTO206

**NEW**



### Gear Oil Filling Pump Kit

- Use to extract and fill gear & engine oils quickly, safety and cleanly.
- Provide with the safety valve, pre-setting 43 psi (3 Bar), the exceed pressure will be relief automatically.
- Provide with the pressure gauge, can be read & control the pressure in the tank more easily.
- The various adapters can be used for diverse vehicle manufacturers and can be safely and rapidly replaced via a quickconnect coupling at the filling hose.
- 6L capacity reservoir with volume guide.
- Air inlet : 1/4" 30psi
- Scope of delivery: 13\* adapters, 1\* 1M Nylon hose, 1\* Dispenser 2M PU hose w/one touch controller gun.

## OTE120



### USB Endoscope

- Easily capture pictures or record videos with your computer
- With a long USB cable(150cm USB 2.0 interface), easy to connect with PC and convenient to use
- Handle Length:22cm
- Flexible tube length 94cm
- Camera Outer Diameter: 5.5mm
- Water resistant camera head with dimmable white LED lighting
- 1/12' VGA CMOS: 640\*480 pixels
- Lens: F# 2.8 viewable of angle 60 degree
- Focal Distance: 3cm-infinite
- A constant frame rate of 20FPS
- Snapshot & 6 LED Brightness: Adjustable
- System Support: Windows XP / Vista / 7 / 8 / Mac OSX 10.4/ Linux Kernel V2.6

## OTE200



### Endoscope

#### Monitor

Screen Size: 3.5" TFT LCD Monitor  
Resolution:320\*240(350MCD)  
Power: 4+AA batteries

#### Camera

Diameter of camera Lens: 5.5mm /8.0mm(Optional)  
Tube length: 1M (optional 3M)  
Resolution: 640\*480  
lens: F#2.8  
FOV:60°  
Focal Distance: 3cm-infinite  
Water proof grade: IP67  
Lighting: 6 adjustable LEDs

## OTE350



### Video Endoscope

#### Monitor

Screen Size: 3.5" TFT LCD Monitor  
Video resolution: AVI (640x480)  
Photo resolution: JPEG (640x480)  
Frame Rotation: 180° Rotation & Mirror image  
freeze frame: YES  
Zoom: 4x Variable Digital Zoom  
Interface: Micro USB 2.0/ TV out/ card slot  
TV out: PAL  
Recording media: Micro SD Card  
Power source: 18650 Li-Ion rechargeable battery (2600mAh)  
Menu language: Traditional/Simplified Chinese,English, French, German Spanish, Japanese, Russian

#### Camera

Diameter of camera Lens: 5.5mm /8.5mm  
Resolution: 720\*576  
FOV:60°  
DOF:2-5cm /3-6cm  
Lighting: 6 white LED,three levels of brightness  
Snake tube Length:1M (optional 3M)

## OTE6100Q



### Video Endoscope

#### Monitor

Screen Size: 3.5" TFT LCD Monitor  
Video resolution: AVI (640x480)  
Photo resolution: JPEG (640x480)  
Frame Rotation: 360° Rotation & Mirror image  
Zoom: 4x Variable Digital Zoom  
Interface: Micro USB 2.0/ TV out/ card slot  
TV out: PAL  
Recording media: Micro SD Card  
Power source: 18650 Li-Ion rechargeable battery (2600mAh)  
Menu language: Traditional / Chinese,English, French, German ,Spanish, Japanese, Russian

#### Camera

Diameter of camera Lens: 3.7mm/4.5mm/5.5mm /8.5mm/ 9.0mm(double cameras)  
Resolution: 640\*480 /720\*576  
Camera with temperature control: Optional  
Water proof grade: IP67  
FOV:60°  
DOF:1-10cm/2-5cm /3-6cm  
Lighting: 6 white LED,three levels of brightness  
Snake tube Length:1M (optional 3M)

## OTI300



### Spark Plug Gap Tool

Spark Plug Gap Tool is engineered to measure clearances of spark plug gap size. To use the gauge, you simply insert the edge into the gap between the electrodes. While keeping the gauge in the gap, gently slide the plug along the outside circumference of the gauge until both electrodes make contact with the gauge. This will tell you at what distance the electrodes are set.



### Specification

Range: 0.02 to 0.1-Inches (0.50 - 2.5-Millimeters)  
Utilizes Die-Cast Construction for Accuracy  
Featuring an Easy-to-Read Scale  
Built to be Resilient and Flexible  
Heavy-Duty Construction Allows for Strength and Durability



## OTI271



### Glow Plug Analyser

The instrument can be used to make fast diagnosis of glow plug failure or degradation without the need to disassemble the glow plug from the engine. It is suitable for use on any 12 Volt DC vehicle system. The 6 LEDs on the panel indicate the status of the glow plug under test and also whether the vehicle battery contains enough charge to power glow plug.



### Test Result

- ❗ exclamation mark --- Defective (short circuit) glow plug.
- >16A --- Higher than 16A in 3 seconds or less = OK  
Higher than 16A but in more than 3 seconds = fault
- OK --- Glow plug is OK.
- <7A --- Defective (high resistance) glow plug.
- scissor --- Defective (open circuit) glow plug.
- < 10.5V --- Vehicle battery is low so that the Glow Plug Analyser will not function correctly.

## OTI500



### Spark Indicator

This non-contact spark tester will test for the presence of power on spark plugs, coils and distributors. Testing Spark Plug, coils and distribution on breaker point and electronic ignition system Without Puncturing the Wire Pen type pocket clip for handy use. CE certificated and RoHS compliant



With the engine running, simply place the grooved end over the spark plug wire and the high intensity bulb will flash indicating spark

## OTI2285



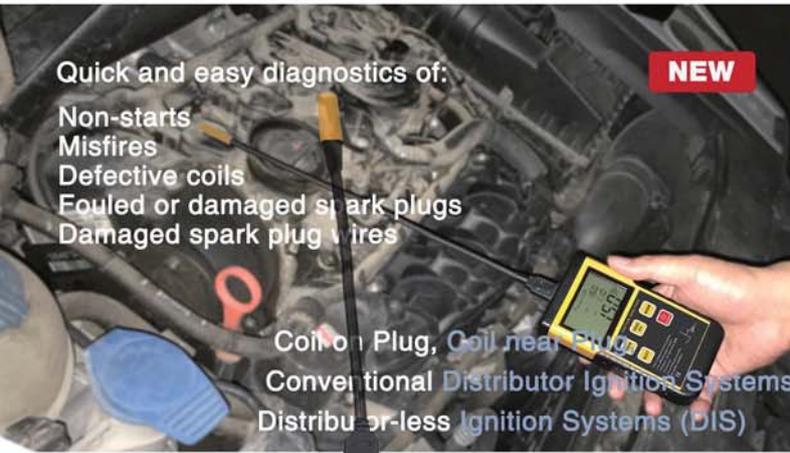
### Glow Plug Tester

This tester is designed to test diesel engine glow plugs. It can measure the resistance of a diesel engine glow plug which is not hot and indicate whether the glow plug is good or damaged. It is equipped with a monolithic processor, which is the core part of the circuit. The screen shows the test results directly.



- ⊗ Short circuit is detected.
- ⚡ The connection between the glow plug and the tester is unsteady or discontinuous.
- ⚡ Open circuit is detected.

- 3-digit LCD, with a max. reading of 999
- Measurement Range: 0.00Ω-32.0Ω
- Battery: 1\*9V battery IP Degree: IP20



Quick and easy diagnostics of:

- Non-starts
- Misfires
- Defective coils
- Fouled or damaged spark plugs
- Damaged spark plug wires

Coil on Plug, Coil near Plug  
Conventional Distributor Ignition Systems  
Distributor-less Ignition Systems (DIS)



## Engine Ignition Analyzer

The Engine Ignition Analyzer was created specially to perform quick and reliable diagnostics of non-starts, misfires, fouled up or damaged spark plugs and/or spark plug wires, by comparing digital read-outs of the spark plug voltage and spark burn time between cylinders on engines using Coil on Plug, Coil near Plug, conventional distributor/ignition coil, DIS (Distributor-less) or waste spark and magneto technologies.

### Technological Specifications

#### Display:

- Main display and secondary display
- Function indicator
- Measurement units indicator
- Spark detection indicator
- Number of strokes indicator
- Ignition system indicator
- Low battery indicator

#### Ignition system comp:

Coil on plug, coil near plug, DIS, conventional and magneto

#### Engine strokes:

2 and 4 strokes and DIS

#### Electrical Specifications:

Function	Measurement Range	Accuracy/Repetitivity	Input Characteristics
RPM	200 to 20000 RPM 2 /4 strokes and DIS	Accuracy: 0.5%±1 LSD	Input Impedance: 100KΩ +1.5 nF (Mini)
Spark KV	0 to 50 Kv	Repeatability: 3%±1 LSD	Input Protection: ± 42 VDC Max.
Spark burn time	0 to 10 ms	Accuracy: ± 0.1 ms	

#### Power:

9 Volt battery, type MN1604

#### Auto power off:

Automatically powers off after 3 min. of no operation

#### Probe length:

25 cm including capacitive pick-up

#### Included accessories:

- The capacitive pick-up
- Padded hard carrying case
- User's manual
- 1 x 9 Volt alkaline battery

## OTI276



## Injector Tester

The tester can help diagnose injector problems, you can use it to test each injector individually to help identify stuck, leaking or burnt-out conditions. It uses 12V vehicle battery for power. It has 4 pulse modes, the continuous mode (mode 4) helps identify good or bad injector. The mode lock feature ensures test condition uniformity. It can work with any fuel pressure tester.



### Specification

- Power Supply: 12V vehicle battery
- Operation Environment: 0-40°C, relative humidity < 80%
- Test Cable Length: 41.5cm / 16.3 inches
- Product Size: 147x82x29mm

## OTI272



## Lambda Tester & Simulator

The Lambda Tester is designed to measure the crossover changes which occur in the closed loop control system. The tester can be used to analyse Zirconia or Titania type sensor. The tester can simulate the sensor signals to the ECU to verify acceptance of the signals and confirm that the ECU acts upon these signals.

### Features

- Tests 1, 2, 3 and 4 wire sensors.
- Tests heated and non-heated sensors.
- Identifies which wire the tester is connected to, i.e. Ground, heater or ECU supply (where applicable).
- Rich or lean signal simulation to check ECU reaction.
- LED path displays the crossover signals of the Lambda sensor.
- Sealed control switches for workshop environment.
- Durable ABS enclosure.

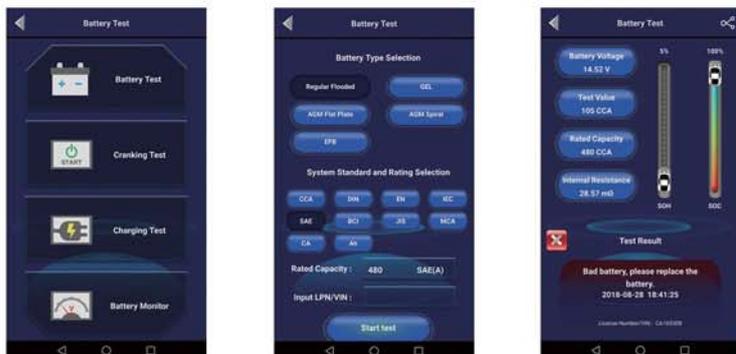
BT868

**NEW**



## Bluetooth Battery Analyzer & Monitor with Printer

- Easily track the health of your vehicle battery with this unique Bluetooth enabled smart tracking device. It's easy to install and data is delivered through a free to download iPhone or Android App.
- Test all 12V automotive, motorcycle and engine starter lead acid batteries, including ordinary lead acid battery, AGM flat plate battery, AGM spiral battery, and Gel battery, EFB, etc.
- Directly test the battery with loss of electricity, no need to full charge before testing.
- Testing standards include : CCA, JIS, DIN, IEC, EN, SAE, BCI,MAC,CA and AH.
- Print the test data with a integrated printer.



BT747



## Battery & Electrical System Analyzer with Printer

- Suitable for 12V batteries and 12V/24V starting & charging systems
- Cold start current testing,input in CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE and GB standard
- Operating Range: CCA100-2000
- Voltage Measure Range: 7-30VDC
- Directly detect battery condition, ok/not ok.
- With integrated printer
- Support 15 languages

BT300



## Battery & Electrical System Analyzer

- Suitable 12V batteries and 12V/24V starting & charging systems
- Voltage Measure Range: 8~30VDC.
- Operating Range:CCA100-2000
- Polarity reverse connection protection
- Directly detect bad cell battery
- Testing standards: CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE and GB.
- Temperature compensation
- Support multi-languages

## BT777

*Specially created for heavy duty/commercial vehicles*



### Battery & Electrical System Analyzer with Printer

- Suitable for 12V/24V batteries and 12V/24V starting & charging systems
- Voltage Measure Range: 1.0~30VDC.
- Operating Range: 100~2000CCA(SAE)
- Directly detect battery condition, ok/not ok.
- Testing standards: CCA, BCI, CA, MCA, JIS, DIN, IEC, EN, SAE and GB.
- With additional functions, such as voltmeter, ammeter, thermometer, even as standby power for ECU client code setting, set user info
- With integrated printer
- Store 100 groups of test data for check and print
- Changeable lead & Kelvin clamp
- Temperature compensation
- Support 15 languages

## BT70



*For 12V/24V batteries*

### Battery & Electrical System Analyzer

- Suitable 12V/24V batteries and 12V/24V starting & charging systems
- Voltage Measure Range: 9~35VDC.
- Operating Range: CCA100~1700, EN100~1700, DIN100~1000, IEC100~1000
- Simple, safe, accurate and fast testing
- Testing standards: CCA, JIS, DIN, IEC, EN.
- Support English and Chinese

## OTJ300



### Jump Starter with OBDII Data Saver

- 16800mAh high capacity, cycles can reach 500 times
- Suitable for 12V vehicles
- Three (3) light modes: illumination, SOS, flash light.
- Large current protection system
- Peak ampere: 800A
- DC output: 12~16V/15A
- Input voltage: 15V/1A
- Main unit N.W.(g): 580g
- Size: 178\*84\*45mm

OBDII Data Saver allows you to transform your jump starter into a data saver. The jump starter will supply a steady 12V tension via the OBDII plug and avoid losing data (seat, GPS, radio) during battery replacement.



## OTB2265, OTB2266

**NEW**



### Battery Surge Protector

- Constantly suppresses emerging voltage peaks to safe levels and therefore protects the vehicle power supply against overvoltages
- Prevents damage to the on-board electronics when charging the built-in battery or even during welding work
- With fuse protection
- Visibility and tone signal in the event of voltages peaks
- With reverse polarity protection
- Connection to battery voltage 12V/24V\* through red and black battery clamps

\*OTEM2265 for 12V vehicle, OTEM2266 for 24V vehicle

## OTC320



### Vehicle Circuit Tester

This tester is a multifunctional vehicle circuit tester with a monolithic processor and a LCD display. It can be used to measure DC voltage, continuity, and the amount of current in fuse. Because the tester uses a new method to measure current, it is unnecessary to remove the fuse; just connect the two probes to the two terminals of this fuse. It can measure a DC voltage as low as 0.1mV.

DC Voltage: 0.0V-50.0V  
 Continuity: <20Ω,>40Ω  
 Fuse Current: 0.1~99.9A(USER DEFINE mode)  
 0.1~50A (other mode)

Fuse Type/Rated Current  
 Maxi Fuse (MAX) 5/7.5/10/15/20/25/30A  
 Standard Fuse (STD) 5/7.5/10/15/20/25/30A  
 Mini Fuse (MIN) 30/40/50A  
 Overrange indication: "OL" shown on the primary display  
 Open Test Loop Indication  
 Negative Polarity Indication  
 Low Battery Indication

## OTC610



### Automotive Diagnosis Tester

This tester can be used to measure DC voltage and the frequency and duty cycle of square wave signal. It is easy to operate and can be used in vehicle repair, tester and service.

Voltage Measurement Range: DC-45V~+50V  
 Frequency Measurement Range: 0Hz~20kHz  
 Duty Cycle Measurement Range: 1%~99%  
 Max. Allowable Input Voltage: -70V~+80V  
 Input Impedance: 220kΩ  
 Battery : 2 x 1.5V battery, AAA or equivalent

## OTC520



### Multi-functional Auto Tester

This is an equipment used to test the automotive electrical system within 12-24 volts. In order to save the testing hours for the automotive electrical system, it is designed to testing the system without re-connection between the vehicle battery and the testing components.

- Determine the polarity and circuit circumstance (short/open)
- Locate missing cylinders
- Measuring frequency of the high-tension ignition pulses and we could calculate the rotational speed of engine according to the measured frequency
- Peak detection
- Testing the voltage of the circuit and the voltage reading will be indicated on the LCD display within 1/10th of a volt

Mode Instruction	Voltage Meter Range:0v-60v	Locate Missing Cylinders	Measuring Frequency of the Ignition Pulses	Peak Detection
LED Display	000V	00KV	0000Hz	+005V

## OTC391



### Car Current Tester

The tester can be used to measure current at the fuse box of standard blade fuse. It is ideal for fault finding on car or commercial vehicle electrical circuit. It features quick measurement and high accuracy. It is very easy to use.

## OTC2000



### Short & Open Circuit Tester

OTC2000 is designed for a quick solution to your automotive circuit problems. The kit consists of 2 main components. A SMART transmitter and a SMART receiver along with a set of connection adapters that will help you:

- Locate short circuits without unnecessarily removing plastic panels, molding, and carpet.
- Trace wires to see where they lead
- Locate electrical components in the vehicle
- Find open circuits, switches or breaks in wires
- Trace and locate the cause of a severe battery drain
- Test and find intermittent connections

### Specifications & Features

- Voltage range: 12V-48V
- Directional indication for shorts
- Open/Short indicator
- Audible alert
- Auto shut-off feature
- Signal injection & tracing
- 20' Power lead
- LED's indicate direction to a short circuit
- LED open circuit indicator
- Tone signal injection & wireless tracing
- Toggle tone to indicate circuit's change of state
- Power: Transmitter powered by vehicle battery  
Receiver powered by recharger

### Kit includes:

Smart Receiver	x1
Smart Transmitter	x1
Power lead	x1
Probes	x2
Recharger	x1
Manual	x1

## OTEM292



### Trailer Socket Tester, 7 pin/13 pin

The purpose of the tester is to test the trailer socket on the vehicle. Carry out function checks (e.g. brake light); the correspondingly marked indicator LED on the tester should light up. If an indicator LED fails to light up, start by checking the connection at the vehicle wiring plug.



1. American standard plug
2. European standard plug

Pin Number	Wire Color	Wired for the following standard functions:
1	RED	Left turn signal ( green LED )
2	WHITE	Rear fog lamp ( red LED )
3	BLACK	If LEDs don't light for any function, it may indicate a problem in the ground.
4	GREEN	Right turn signal ( yellow LED )
5	YELLOW	Right tail light, contour lighting, side marker and license plate lighting ( green LED )
6	BROWN	Brake lights ( yellow LED )
7	BLUE	Left tail light, contour lighting, side marker and license plate lighting ( red LED )

## OTEM279



### Tractor Tester, 13 pin ,12V

The purpose of the tester is to test the trailer socket on the vehicle. With new design, vehicle with a CAN-bus can also be tested. This tester is suitable only for 12V systems.

### Test functions:

flashers, brake lights, tail lights, reversing light, rear foglamp.

## OTEM230



### Digital Oscilloscope

OTEM230 Handheld Digital Oscilloscope is a 25MHz digital storage oscilloscope, 6,000-count True RMS Digital Multimeter functions integrated multifunctional handheld instrument, ideal for field use.

#### Main Function

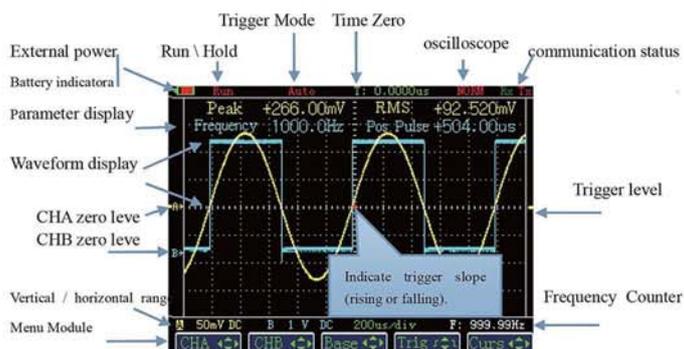
- 2-channel, 25MHz digital storage oscilloscope
- True 6000 words RMS digital multimeter

#### Features

- 100MSa / s real-time sampling rate, 25MHz real-time bandwidth
- Automatic tracking measurement: automatic tracking based on external input signal to adjust the vertical amplitude \ horizontal time base and trigger stalls, without human intervention.
- Large dynamic measurement range: no extended probe leads directly measure range from 10mV/div to 500V/div
- Screen can display 4 measurement parameters. The user can choose RMS, peak, average, frequency, period .etc in more than 10 kinds of parameters as needed.
- Two kinds of cursor measurement mode selection.
- 320 \* 240 dot TFT LCD
- Built-in battery, AC and DC Power adapter
- Recorder --- continuous track record up to 24 hours of event
- Standard USB interface, easily communicate with a computer for data analysis and test results archive through the PC softwar

#### Display Interface

##### Oscilloscope Display Interface



##### DMM Display Interface



#### Technological Specifications

Oscilloscope	
<b>Horizontal</b>	
Bandwidth	DC-25MHz (-3dB)
Channel Number	2
Raise Time	17.5 ns
Sampling Rate	100MSa/s
Horizontal Sensitivity	10ns/div - 5s/div, With 1-2-5 Steps
Horizontal Precision	0.01% + 1 Pixel
<b>Vertical</b>	
Vertical Sensitivity	10mV/div - 500V/div, With 1-2-5 Steps
Vertical Precision	± (3% + 1 pixel)
Vertical Resolution	8 Bit
Maximum Input Voltage	DC or AC 600Vrms
Coupling	AC, DC
Input impedance	1MΩ < 20pF
<b>Trigger</b>	
Trigger Source	CHA, CHB, External trigger
Trigger Mode	Normal, Auto, Single
Trigger Sensitivity	≤ 1.0div
Trigger slope	Rising and falling edge
Trigger Coupling	AC, DC

Multimeter		
DC (V)	600mV/ 6V/ 60V/ 600V/1000V	±(1%+5 pixel)
AC (V)	600mV/ 6V/ 60V/ 600V/750V(40Hz~400Hz)	±(1.5%+5 pixel)
DC (A)	Reference the accuracy of current probe(optional)	
AC (A)	Reference the accuracy of current probe(optional)	
OHM	600Ω/6KΩ/60KΩ/600KΩ/6MΩ	±(1.0%+5 pixel)
	60MΩ	±(2%+5 pixel)
CAP	6nF/60nF/600nF/6uF/60uF/600uF/6mF	±(3%+5 pixel)
Diode	≤ 2V	
On/Off Test	Lower 5 Ω ,Beep	
Battery	3.6V Lithium Battery	
AC Adapter	DC 5V/8W	
Dimension	222mm*114mm*50mm	
Weight	About 0.7kg	
PC Interface software	USB PC Software	

#### Kit includes

- Oscilloscope x1;
- 3.7V lithium battery x1;
- AC/DC Power Adapter x1;
- Oscilloscope Probes x 2;
- Multimeter Test Leads 2 (red, black);
- USB Cable x1;
- User Manual x1.



## OTM70K



### Multimeter

OTM70K is a high-precision and high-performance multimeter with 3 3/4 digit display. It can measure AC/DC voltage, AC/DC current, resistance, capacitance, frequency, duty cycle, diode, NCV (non-contact voltage), true RMS, the maximum / minimum, transistor and continuity. The meter has a data hold, auto power off, mechanical protection, °C/°F conversion and other functions, easy to use, clear reading.

### Specifications

DC Voltage	600mV~1000V
AC Voltage	600mV~750V
DC Current	60mA~20A
AC Current	60mA~20A
Resistance	600Ω~60MΩ
Capacitance	9.999nF~99.99mF
Temperature	-20°C~1000°C
Frequency	10Hz~10MHz
Duty Cycle	1%~99%
Display	6000
Range Select	Auto
ms-PULES	0.1ms~10.0ms
Tach	600~12000RPM
Dwell	4/5/6/8 CYL

### Kit includes

- 1 x Digital Multimeter
- 1 x Test Lead
- 1 x Instruction manual
- 1 x Temperature Test Probe
- 1 x Carrying Bag

## OTW400

### Multipurpose Connectors

#### Kit Includes

5KΩ potentiometer (variable resistor)	x2
Alligator clips	x2
Acicular probe	x4
LED stroboscope	x2
SRS Connector	x2
Probe	x2
1 to 2 connector	x2
1 to 1 extension cable	x1
Round male terminals	x12
Flat male terminals	x24
Flat female terminals	x24
Round female terminals	x12



## OTW010

### Wiring Plug Housing / Disassembly Kit



The kit contains 5 high strength metal probes to enable the extraction of wire terminals locked into a plastic housing/plug.

## Brake Fluid Tester

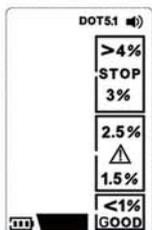
OTB620



**NEW**

### Brake Fluid Tester

- Test oil range: DOT3, DOT4, DOT5.1
- Backlight function
- Alarm function
- Auto power off function.( 6 minutes)
- Battery: 6V (4\*1.5V AAA)
- Battery low voltage prompt function
- Using ambient temperature: -10°C-50°C
- Metal tube length: ≈ 190mm



#### Test results:

- < 0.1% high purity
- < 1% good condition
- <2.5 acceptable
- >3%~4% brake oil needs to be replaced

OTBR100



**NEW**

### Brake Fluid and Coolant Test Kit

The Kit includes 1 set of OTR304 Refractometer and 1 set of OTB620 Brake Fluid Tester.

OTB820



**NEW**

### Brake Fluid Boiling Point Tester with Printer

- For brake fluids DOT3, DOT4, DOT4 Plus, DOT5.1 & coolant
- LCD screen instructions
- Measures up to 320°C
- Self-calibration function
- Bluetooth
- With integrated printer
- Li rechargeable battery with 1400Amh

OTEM283



### Brake Fluid Tester for Brake Fluids DOT3, DOT4 and DOT5.1

This unit can be used to test the quality of brake fluid. It can indicate whether the brake fluid under test can still be used safely or needs to be replaced. It is a very useful tool for ensuring good braking effect and driving safety. Adjustable test probe for easy access. Uses 1 x 9V battery.

#### Test Procedure

1. Clean the test head (include two poles) and make it dry.
2. Insert the test head into the brake oil to be tested about 2cm deep.
3. Press and hold down the "ON" button, wait about 3 seconds, then read the LED indication:
  - a. If the two green LEDs light, the quality of the brake oil is good.
  - b. If the yellow LED lights, the quality of the brake oil is bad.
  - c. If the red LED lights and the built-in buzzer sounds, the quality of the brake oil is unsafe to use.

## OTB601A



### Brake Fluid Tester for Brake Fluids DOT 4

Calibrated for cars using DOT 4 brake fluid only. Quick and easy way to test for moisture content in the brake fluid. Takes 1 x AAA/1.5V battery (included). Only takes seconds to know the results

Press the button for power on, green LED will light up. Insert the tester into reservoir for a second, then the LED lights will indicate the percentage of water in the brake fluid:

- Green: None
- Green/Yellow: Less than 1%
- Green /Yellow/Yellow: Approx. 2%
- Green/Yellow/Yellow/Red: Approx. 3% (Time to change brake fluid.)
- Green/Yellow/Yellow/Red/Red: Approx. 4% (Change brake fluid immediately!)



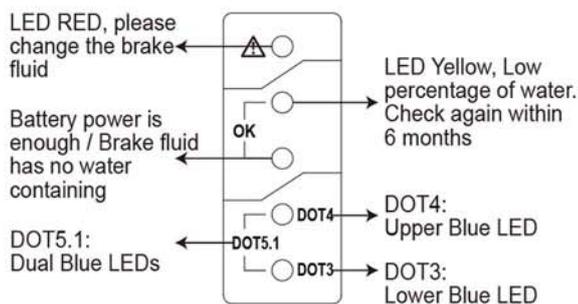
## OTB601C



### Brake Fluid Tester for Brake Fluids DOT3, DOT4 and DOT5.1

Easily, quickly and precisely check the water content of all polyglycol-based brake fluids (DOT3/DOT4 and DOT5.1). Automatic switch-off. Takes 1 x AAA/1.5V battery (included). Only takes seconds to know the results

#### Description



## Brake Bleeder Service Unit

### OTB3040



**NEW**

### Fluid Evacuator

- Evacuates all kinds of fluids including engine oil, Transmission fluids, Gear Oil, Coolant, Brake fluid and more...
- Convenient manual pump operation-no shop air or electricity required
- Integrated 9L (2.3 gallon) capacity reservoir
- Durable, chemical resistant polyethylene construction

### OTB3030



### Vacuum Brake Fluid Extractor & Refilled Bottle

- Pneumatic brake fluid extractor creates a powerful vacuum that is used to bleed and flush hydraulic brakes and clutches
- Refilled bottle: Automatic refilling of the master cylinder reservoir while bleeding
- Universal drain valve fits to most standard recycling system
- The kit can be used to extract a wide range of fluid such as engine oil, transmission fluid, gear oil, coolant, power steering fluid, etc
- The unit includes a vacuum fluid extractor, bleeding hose with brake nipple and adaptor, and automatic refilled bottle
- Working Pressure: 70 To 170psi (4.9 To 11.9 Bar)
- Capacity: Extracting tank 2L Refilled bottle 1L
- Packing: Color box 2SET/5.00KG/CTN

## OTB3050



### Vacuum Brake Bleeder

- Quick remove and replace fluid from most types and models of vehicle brake system, also removes trapped air. Meanwhile replacing with new brake oil instead.
- Many kinds of connectors w/universal adaptors which suitable for all kinds of brake systems.
- One person complete operation,time efficient
- No need to release the air
- Power: Air Compressor
- Working Pressure: 10~40PSI
- Tank Capacity: 5L
- Meas.: 390\*385\*475mm
- G.W.: 10kgs

## OTB6012, OTB6110, OTB6230

**NEW**

You can choose between :

Model	Power Supply
OTB6012	12 V/DC vehicle battery
OTB6110	110 V/AC mains voltage
OTB6230	230 V/AC mains voltage



### Electric Brake Bleeder

- Brake maintenance with integrated tank for DOT brake fluid
- Application also with ABS systems
- Automatic shut-off on minimum level
- Adjustable pressure regulator
- Device construction prevents any leakage of brake fluid
- Stainless steel body
- Power supply: 12V car battery power
- Pressure gauge: range 0-4 bar (0-60 psi )
- 7L tank with visible level and min level indication
- Weight about 15 kg
- Dimensions : 380 mm x 480 mm x780 mm

#### Set includes:

- 2 catch bottles
- 4 metre filling hose
- Standard adapter OTBA-1 for almost all common vehicles
- \*Additional adapters are available depending on the vehicle type.

## OTB5012 , OTB5110, OTB5230

**NEW**



### Electric Brake Bleeder

- For brake maintenance and leak tests, draining brake systems and hydraulic clutches
- Application also with ABS systems
- Automatic shut-off on minimum level
- Adjustable pressure regulator
- One-man operation
- Stainless steel body
- Power supply: 12V car battery power
- Pressure gauge: range 0-4 bar (0-60 psi )
- 5 litre Container with visible level and min level indication
- Weight about 8 kg
- Dimensions : 450 mm x 280 mm x300 mm

#### Set includes:

- 2 catch bottles
- 4 metre filling hose
- Standard adapter OTBA-1 for almost all common vehicles
- \*Additional adapters are available depending on the vehicle type.

You can choose the power supply you required :

Model	Power Supply
OTB5012	12 V/DC vehicle battery
OTB5110	110 V/AC mains voltage
OTB5230	230 V/AC mains voltage

## OTBAK



### Brake Bleeder Adapter Kit (Aluminum caps with standard Brass Fittings)

Part no.	Make
OTBA-1 (standard)	VW, BMW, Audi, Mercedes-Benz, Volvo, Peugeot, Citroen, Mazda, Buick, Ford, Chevrolet, Porsche, Renault, Lexus, Jaguar, Cadillac, Land Rover, Tesla
OTBA-2	Hyundai, Renault, Subaru, Mitsubishi, Infinity, Nissan
OTBA-3	Buick, Ford, Cadillac, Mazda
OTBA-4	Toyota, Lexus
OTBA-5	Honda
OTBA-8	Jeep, Dodge, Chrysler
OTBA-10	Nissan

## Brake Gauge

OTB1228



### Brake Lining Thickness Gauge

- Color coded to identify thickness levels for quick inspection of brake linings
- All steel construction, durable and long lasting
- Each blade has both SAE and Metric measurements
- Metric: 8, 10, 12 mm (Green); 4, 5, 6 mm (Yellow); 2 and 3 mm (Red).
- SAE: 0.3150 to 0.4724" (Green), 0.1575 to 0.2362" (Yellow), 0.0787 to 0.1181" (Red).
- These identify if the brakes are still good (Green), should be serviced or are past due (Yellow), and must be serviced (Red).

OTB1222



### 2 IN 1 Brake Pads Thickness Gauge & Tyre Tread Depth Gauge

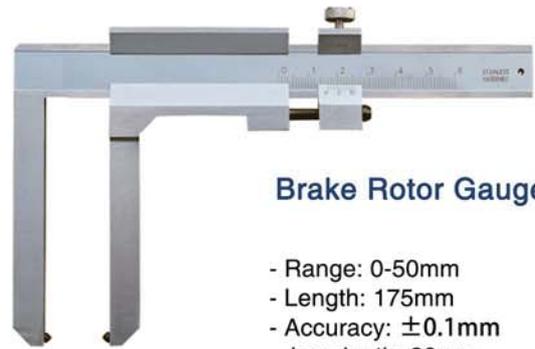
Used for checking thickness of brake pads and depth of tire tread. Slim design enables the tool to locate the rear of the pad backing plate, allowing the probe to measure the distance between the underside of the backing plate and brake disc.

Brake Pads Thickness

Tyre Tread Depth



OTB1100



### Brake Rotor Gauge

- Range: 0-50mm
- Length: 175mm
- Accuracy:  $\pm 0.1$ mm
- Jaw depth: 80mm

OTB1150



### Digital Brake Gauge

- Range: 0-150mm/6"
- Resolution: 0.1mm/.0005"
- Jaw depth: 90mm/3.5"
- Direct inch/metric conversion
- Water resistant to IP54 standards
- Conical anvil for groove measurement

OTB1230



### Disk Brake Rotor & Ball Joint Runout Gauge

- Check ball joint wear and disc rotor runout;
- Check tire and wheel runout, gear backlash, valve guide wear, etc
- Flexible arm locks in place to locate indicator just where you need it. Locking pliers allow easy and secure clamping to most any rigid structure.
- Features a high quality dial indicator for precise, repeatable measurements.
- Graduations: .001"
- Range: 0-1"
- Supplied in a solid plastic case

## Coating Thickness Gauge

**OTC810**



**NEW**

### Coating Thickness Gauge

- Measuring: Continuous and Single Measurement available
- Memory: 600 data store
- Unit: Metric/Imperial switchable (mil/um selectable)
- Backlight: Brightness adjustable, clear and easy reading under any light condition
- Alarm: Set higher and lower alarm range for measuring
- Calibration: Zero-in, 2 points calibration and multi-point calibration selectable
- Battery: Low battery indication
- Data transfer: USB, Bluetooth.
- Language: English and Chinese selectable (customization for other languages available)

#### Specification

Working principle	Magnetic Induction / Eddy Current (F / NF)
Measuring range	0-1500µm / 0-60mil
Accuracy	±(1+2%µm)
Resolution	0.1µm/mil
Min. Radius Workpiece	convex 5 mm / concave 5 mm
Min. Measuring Area	Φ10mm
Min. Sample Thickness	0.4mm

#### Package includes

- 1 x Main Unit Fe / NFe 2 in one probe
- 1 x Plastic test shims
- 1 x Calibration plates (Steel and Aluminum)
- 1 x Instruction manual
- 1 x Carrying case

**OTC828**



### Coating Thickness Gauge

- Two measuring methods: 0.3 mmmagnetic induction (F) and eddy current (N)
- Two measurement mode: Single and Continuous
- Metric/imperial system selectable.
- Automatic memory of calibration value, and automatic recognize the substrate.
- Operation process have buzzing reminder, while no buzzing in continuous mode.
- Use "USB data output" and "RS-232 data output" to connect with PC.
- Provide "BlueOperating Principleetooth™ data output" choice.

#### Specification

Operating Principle	Magnetic Induction / Eddy Current (F / NF)
Measuring Range	0~1250 um / 0~50 mil
Resolution	0.1 um / 1 um
Min. Radius Workpiece	F Type: convex 1.5 mm / concave 25 mm NF Type: convex 3 mm / concave 50 mm
Min. Measuring Area	6 mm
Min. Sample Thickness	0.3 mm
Accuracy	± 1~3%n or ± 2.5 um

#### Package includes:

- 1 x Main Unit
- 1 x Calibration Base Set (F Type / NF Type) CTG-BS
- 4 x Calibration Foils CTG-CF (1 set, 4 pieces)
- 1 x Carrying Case
- 1 x Operation Manual
- 4 x 1.5 V AAA battery
- Optional accessories:  
USB, RS-232C data cable with software

**OTC1210**



### Coating Thickness Gauge

- Two measuring methods: magnetic induction (F) and eddy current (N)
- Two measurement mode: Single and Continuous.
- Metric/imperial system selectable.
- Manual or automatic shut down.
- Automatic memory of calibration value, and automatic recognize the substrate.
- Operation process have buzzing reminder, while no buzzing in continuous mode.
- Use USB/RS-232 data output to connect with PC.
- Provide Bluetooth data output choice.
- Separate Type can provide several type probe, measure can be more flexibility

#### Specification

Principle	F Magnetic Induction & NF Type Eddy Current
Range	0~2000µm / 0~80mil
Resolution	0.1µm / 1µm
Accuracy	±1~3%n or ±2.5µm
Min. Radius Workpiece	F Type: convex 1.5 mm / concave 25 mm NF Type: convex 3 mm / concave 50 mm
Min. Measuring Area	6 mm
Min. Sample Thickness	0.3 mm

#### Package includes

- 1 x Main Unit
- 1 x Calibration Base Set (F Type / NF Type) CTG-BS
- 4 x Calibration Foils CTG-CF (1 set, 4 pieces)
- 1 x Carrying Case
- 1 x Operation Manual
- 4 x 1.5 V AAA battery
- Optional accessories:  
USB, RS-232C data cable with software

## OTT3240



**NEW**

**2 IN 1  
Measuring Tire Pressure  
and Tire Veins Depth**

### 2 IN 1 Digital Tire Pressure Gauge

- LCD display with backlight
- Auto power off: about 85 seconds later
- Power source: 3V(CR2032)\*1pc
- Tire pressure measurement  
Measuring range: 3.0~100PSI  
Accuracy: ±1.5PSI  
Units: PSI, BAR, kPa, kg/cm<sup>2</sup>
- Tire tread measurement  
Measuring range: 0~15.8mm, 0~19/32inch  
Accuracy: ±0.5mm  
Units: mm, inch
- Dimension: 88\*51\*32mm
- Weight: 60g

## OTT200



### Tire Tread Depth Gauge

The tire tread depth gauge is used to find the remaining tread on automotive tires. The gauge reads in 32nds of an inch. The colors on the gauge show green(6-32), yellow(3-6) and red (0-3) depending on the remaining tread. Allows you to visually display when tires should be replaced due to tread wear.

## OTT210



### Digital Tyre Vrin's Depth Gauge

## OTT3220



### 2 IN 1 Digital Tire Pressure Gauge

- 2 in 1 of measuring tire pressure and tire veins depth
- LCD display with backlight
- Applicable targets: cars, motorcycles and bicycles
- Battery: 1.5v (LR44) x 2
- Auto power off
- Tire pressure measurement  
Measuring range: 3.0~100PSI  
Accuracy: ±1.5PSI  
Units: PSI, BAR, kPa, kg/cm<sup>2</sup>

- |                          |  |
|--------------------------|--|
| Measuring range          | Resolution                                   |
| 0-25mm/0-1"              | 0.01mm/0.0005"                               |
| 0-35mm/0-1 1/2"          | 0.01mm/0.0005"                               |
| Repeatability:           | 0.01mm or 0.0005"                            |
| Maximum measuring speed: | 1.5m/sec or 60"/sec                          |
| Measuring system:        | non contactation linear CAP MEASURING SYSTEM |
- Display: LCD display, minus sign "\_", character in 4.7mm/0.185" height for 5 digits, small digit "5" and "IN" sign for inch measuring unit.
- Battery: battery 1.5V. Low of battery warning by flashing display.



Digital Inclinometer

OTM553

**NEW**



Mini Digital Inclinometer/Digital Angle Gauge

- Wide range of applications for measuring and setting angles.
- LCD display with backlight, automatically turns over for taking overhead measurements.
- Indicators get shorter as this meter gets closer to level (0°) or plumb (90°).
- Error indicator "Err" appears when the front surface of the instrument is horizontal.
- Auto shut off function
- Low battery indication
- Calibration function
- Measurement range: 4\*90° (360°)
- Resolution: 0.1°



OTEM273



Key Fob Tester

The tester detects and confirms radio frequency and/or infrared emission from key fobs and remote controllers. It helps diagnose faults quickly and easily without the need to dismantle the fob, remote controller or vehicle. It is suitable for a wide variety of vehicle and Electronic/ electrical applications.

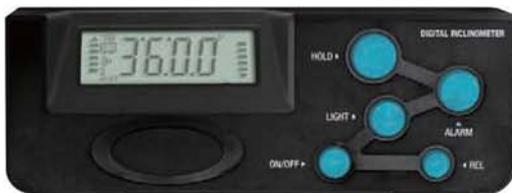
Specification

- Detects: Infrared or Radio Frequency
- RF Ranges: 418MHz, 433-434MHz
- IR LED Used to indicate infrared signal
- RF LED Used to indicate radio frequency signal
- Auto Power Off
- Power: 9V 6F22



OTM551

**NEW**



Digital Inclinometer

- Wide range of applications for measuring and setting angles.
- LCD display with backlight, automatically turns over for taking overhead measurements.
- Indicators get shorter as this meter gets closer to level (0°) or plumb (90°).
- Error indicator "Err" appears when the front surface of the instrument is horizontal.
- Use with regular or magnetic level
- Auto shut off function
- Low battery indication
- Calibration function
- "Hold" button to lock the present reading.
- "Alarm" button
- Measurement range: 4\*90° (360°)
- Resolution: 0.1°



## CONTACT

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