

**Pico**<sup>®</sup>  
Technology  
Oscilloscope Diagnostics  
[www.picoauto.com](http://www.picoauto.com)

**PicoScope**<sup>™</sup>

Automotive Product Catalogue 2010

Established in 1991, Pico Technology is a worldwide leader in the design, development and manufacture of high-performance diagnostic scopes, kits and accessories. The Oscilloscope Diagnostics Kit regularly wins industry awards including:



Pico Technology prides itself on giving the best customer support and satisfaction. We often get comments like this from our customers:

“If I had to give up all other diagnostic tools except one, the PicoScope is the one I would keep. PicoScope gives you real, actual readings, not a vague description allocated to a fault code.”

MB, Shropshire UK

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# FIX ALL OF THESE WITH PICOSCOPE

Anything with an engine

PETROL

DIESEL

HYBRID

ELECTRIC

GAS

Any make, model or type

CARS

BIKES

COMMERCIAL VEHICLES

AGRICULTURAL

MARINE

STATIONARY

## SIMPLE TO USE

PicoScope connects to your PC using a simple, reliable USB cable. It also gets its power through this cable, so there's no extra power adaptor. We have made everything else as simple as possible.

## FIND INTERMITTENT FAULTS EASILY

By easily pin-pointing connection and wiring faults, scopes can save time and money by helping to avoid replacement of parts that are not faulty. In addition to complex engine management components, a scope is often the best way to check basic systems such as starting and charging, battery condition, and parasitic current draws that cause flat batteries.

## FREE SOFTWARE UPDATES

PicoScope gives you free software updates for life and the system is easily upgraded via internet or media.

# WHY USE PICOSCOPE?

## QUALITY GUARANTEED

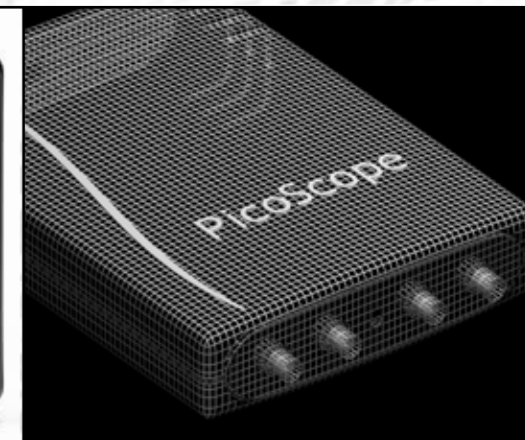
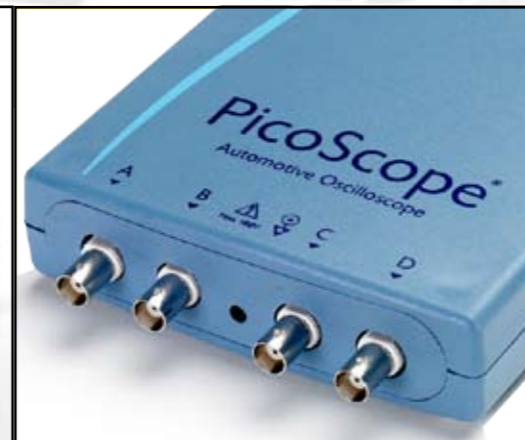
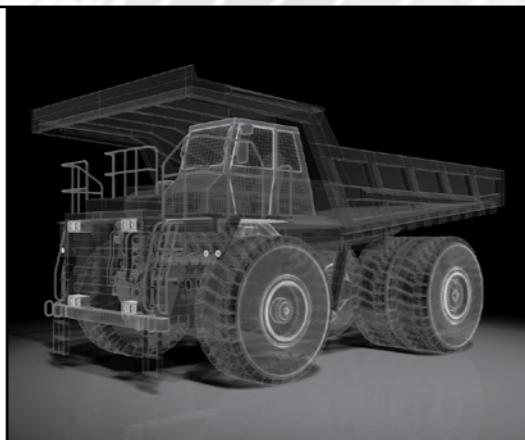
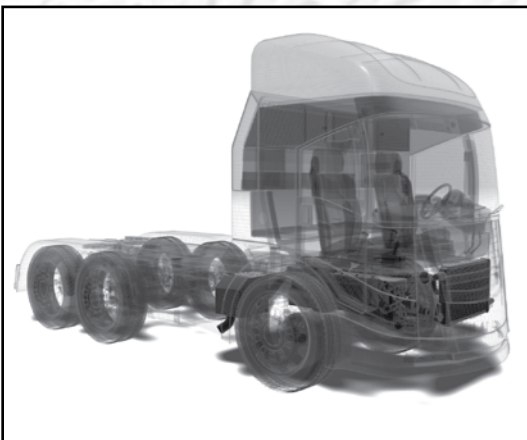
We have been refining and testing the PicoScope concept for 18 years. Everything you get in a PicoScope Diagnostics kit has been selected by our own automotive experts. If a component fails, falls apart or just annoys us, we redesign it. The result is a kit that is used by independent garages, vehicle manufacturers and dealer networks all over the world.

## SAVE YOUR OWN WAVEFORMS

PC oscilloscopes are good at communicating, so you can send waveforms by email, print them or save them to your network. The familiar Windows environment makes them easier to use and set up.

## TWO YEAR WARRANTY

For your peace of mind we provide a two-year warranty with Pico manufactured products.



# A WIDE RANGE OF DIAGNOSTIC TESTS

# SOFTWARE

## PICOSCOPE 6

PicoScope 6 is our latest PC Oscilloscope software. Supplied with all Pico Technology Diagnostics Kits, the PicoScope Automotive software is a powerful tool for capturing and viewing waveforms from almost any electrical or electronic system in today's motor vehicles.

## EASY TO SET UP

The Automotive menu lists the different sensors and circuits that can be tested with the Oscilloscope Kit.

When you select a test, the software automatically:

- Loads a reference waveform into PicoScope
- Loads a help page showing how to connect the scope, what the waveform should look like, and general technical information that you will need
- Loads the required settings into PicoScope, ensuring a quick setup

If you would like to try PicoScope 6 before you purchase it, download the free demo from our website, [www.picoauto.com](http://www.picoauto.com).

## SEE MORE DETAIL FOR LONGER

PicoScope can sample at high speeds, letting you capture fast-moving signals like FlexRay, CAN and LIN bus lines.

Equipped with a deep 'Always on' memory, PicoScope enables you to capture long sequences to check for missing or distorted pulses over a whole engine revolution. You can use the entire screen of your computer to view hugely detailed waveform patterns leaving space to add your own notes at the bottom of the screen. If you need to see more detail, just zoom in.

## REFERENCE LIBRARY

One of PicoScope's most valuable features is the detailed library of waveforms, photographs, illustrations and reference information. It contains over 80 pre-loaded tests and reference waveforms under a simple Automotive menu. Each one launches a detailed help topic, and automatically sets up the oscilloscope and the software ready to acquire the waveform.

You can also easily save new waveforms to create your own personal reference library.

## PICO DIAGNOSTICS

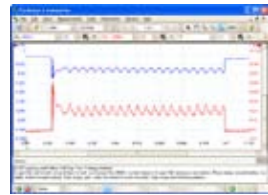
Pico Diagnostics is a standalone software package for use with the PicoScope 4000 Series automotive oscilloscopes. With Pico Diagnostics you can quickly check the health of most petrol and diesel engines. There are no complicated procedures — simply connect one channel of your oscilloscope to the battery of the vehicle to be tested, run Pico Diagnostics, select your test and click a button.

Once Pico Diagnostics has completed the test, the results are displayed in a bar graph that makes it easy for anybody to understand. Using this report printing feature you can then produce a professional quality report suitable for presenting to customers.

Tests that can be carried out using Pico Diagnostics include:

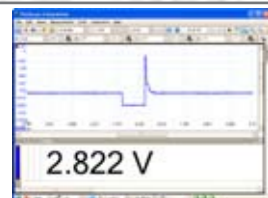
- Cylinder Balance
- Misfire Detection
- Compression Test
- Battery Test
- Alternator Test
- Stater Motor Test

This program is included free with PicoScope 6.



## OSCILLOSCOPE

The oscilloscope is the X-ray machine of diagnostics, letting you see the changing signals inside wires. Start with the built-in library of waveforms and then, when you get more confident, add more of your own. Test primary and secondary ignition, injectors, pumps, temperature sensors, MAP and MAF sensors, crankshaft and camshaft sensors, glow plugs... and the rest.



## AUTOMATIC MEASUREMENTS

With PicoScope's automatic measurements, you can stack up as many measurements as you need on the screen and watch them change in real time. This feature can replace a whole collection of multimeters.



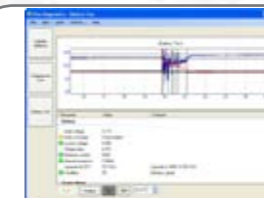
## CYLINDER BALANCE ANALYSER

With just a pair of crocodile clips connected to the battery, Pico Diagnostics shows you in seconds if any cylinder is underperforming or misfiring.



## COMPRESSION TESTER

Show relative compression with just a simple connection to the battery. Add an optional pressure transducer to measure absolute compression.

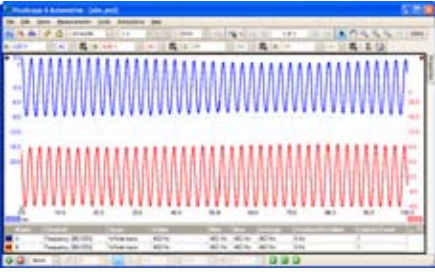


## ELECTRICAL SYSTEMS TEST

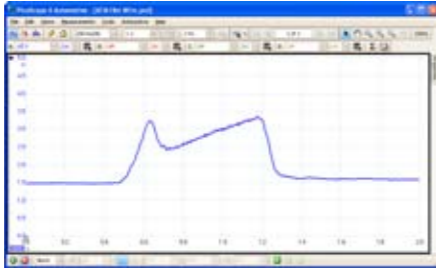
More than just a battery tester: as well as measuring state of charge, condition and cold cranking amps, it also checks the starter motor, the alternator and the wiring. Hook up the scope to the battery and start the engine. Pico Diagnostics does the rest, giving you graphical results that you can print and give to your customer.

# EXAMPLE WAVEFORMS & TESTS

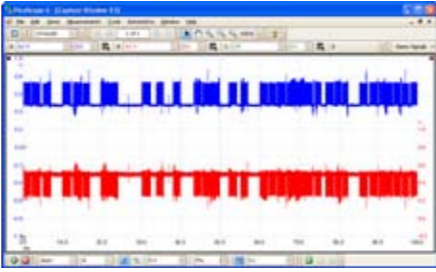
# SOFTWARE



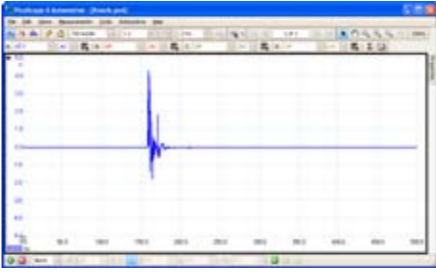
ABS



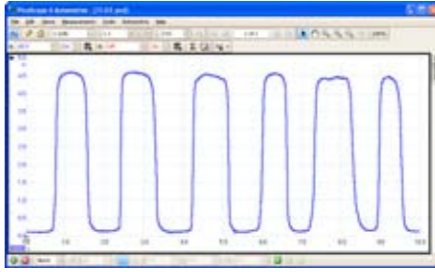
Air Flow Meter (hot wire)



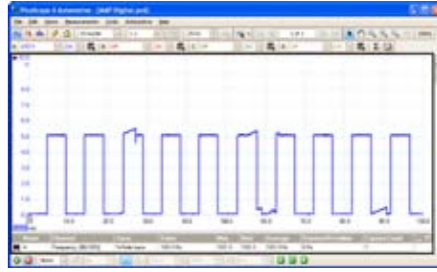
CAN bus



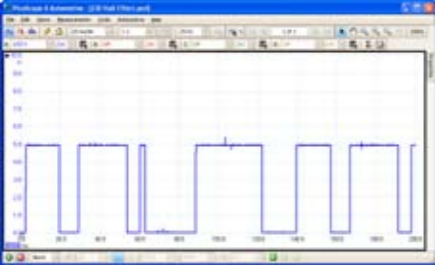
Knock sensor



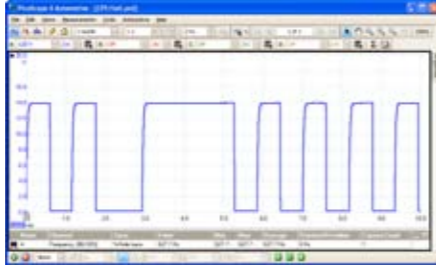
Lamda sensor (Titania)



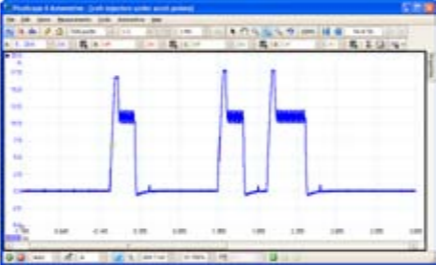
MAP sensor (Digital)



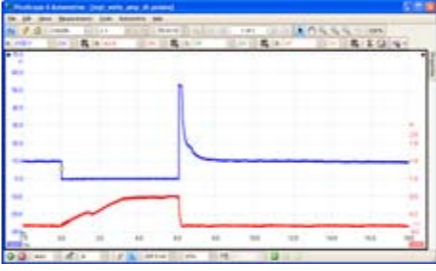
Crank sensor (Hall effect)



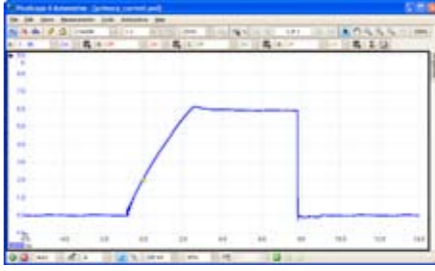
Cylinder ID (Hall effect)



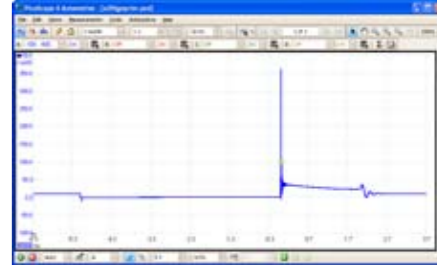
Diesel injectors



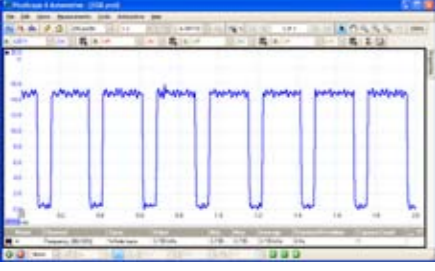
Petrol injectors



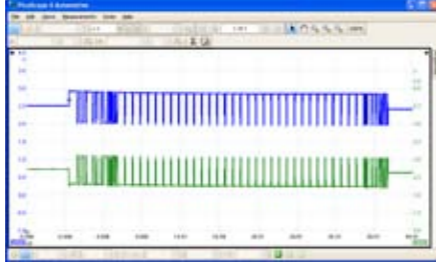
Primary ignition (Amps)



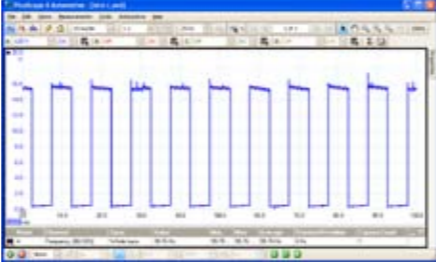
Primary ignition (Volts)



EGR valve



FlexRay network



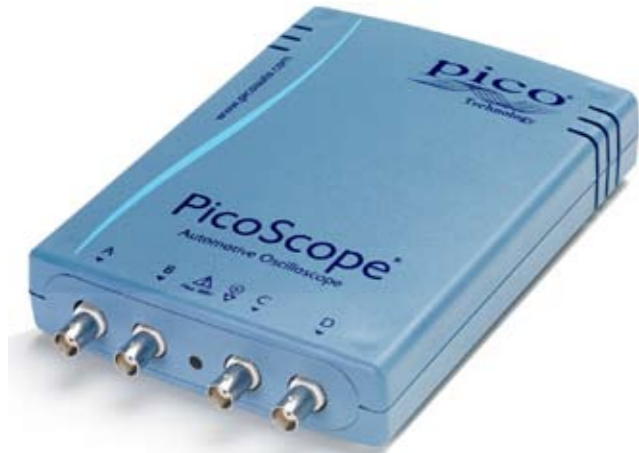
Idle speed control valve

### PICOSCOPE ONLINE HELP

Every built-in test has its own instruction page, with wiring diagrams, photos and diagnostic information. There are more than 80 detailed pages like these.




# SCOPES



## POWERFUL

The PicoScope 4000 Series scopes turn any PC or laptop with a USB port into a powerful automotive tool. The two main diagnostic techniques, ECU Fault codes and scopes, both have advantages but used together are very powerful. Scopes enable the actual signals to be viewed via your monitor ensuring a large high-quality display.

## DEEP MEMORY

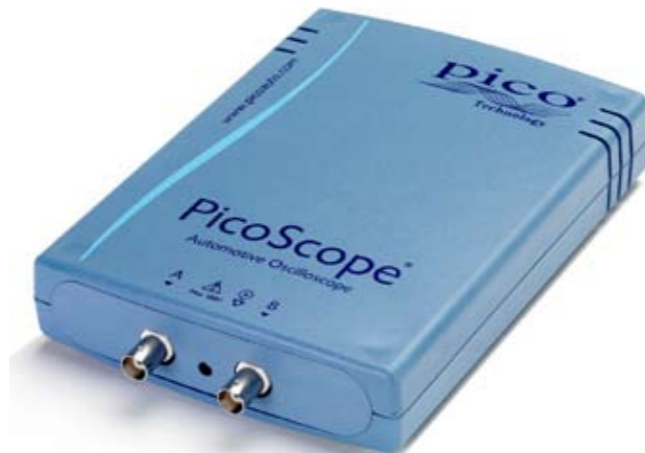
The PicoScope has more memory than you are ever likely to need. The details are in the specifications (pg. 14), but all you need to know is that the PicoScope will carry on displaying high-quality waveforms, no matter which test you run. Some competing scopes save on costs by using a smaller memory, but when this fills up, they have to cut down the sampling rate so that you see less detail on the screen. And then there are scopes that become less responsive as you use more memory. Again, with PicoScope, you don't need to worry about that, as the scope automatically manages its memory usage so that it never slows down.

## AUTOMATED SET-UP

What sets PicoScope apart is the clever design of its hardware and software. When you run an oscilloscope test, the program sets up the scope automatically, so you get a waveform on the screen right away. All the advanced adjustments are there, but in many cases you won't need them. And with the fully automated Pico Diagnostics software, you don't even need to know how to use a scope - the results are displayed and illustrated with performance charts.

## FUTURE-PROOF

Vehicles equipped with CAN bus networks are now commonplace. FlexRay is a network designed to be faster and more reliable, and is starting to replace CAN networks in newer vehicles. PicoScope is currently the only diagnostic scope with enough performance to cope with both CAN bus and FlexRay. Don't buy a scope that will soon be out of date - buy a PicoScope and be future-proof.



# KITS



In the kit you will find a range of accessories and probes. They all fit on the same standard BNC connectors on the front of the scope, so there are no expensive adaptors to buy, or complex cables to break. We know that mistakes will happen when connecting up test leads, so your PicoScope is protected against overloads and short circuits.



The kit can be used to test and measure virtually all of the electrical and electronic components and circuits in the modern vehicle, including:

- Ignition (primary & secondary)
- Injectors & fuel pumps
- Starter & charging currents
- ABS sensors, crank & cam sensors
- Lambda (oxygen), airflow, knock & MAP sensors
- Glow plugs/timer relays
- Relative compression tests
- FlexRay CAN and LIN bus reference waveforms

For more information see our Advanced Kit brochure online at [www.picoauto.com](http://www.picoauto.com).

# STANDARD KITS



## 2 CHANNEL STANDARD KIT

- |                                       |                               |
|---------------------------------------|-------------------------------|
| PicoScope 4223 oscilloscope           | Two-pin breakout lead         |
| 60 A current clamp                    | Acupuncture probe set         |
| 600 A current clamp                   | 2 x 20:1 attenuators          |
| 1 x red & 1 x black small croc clips  | USB Cable                     |
| 2 x Secondary ignition pick-up leads  | Quick start guide             |
| 1 x red & 1 x black dolphin clips     | S-Hook                        |
| 2 x BNC to 4mm test leads             | Carry case                    |
| Insulation-piercing probes            | Automotive software CD        |
| 1 x red & 1 x black multimeter probes | Vehicle Electronics course CD |

**£975 \$1609 €1219**

**ORDER CODES** PP494 Standard 2 Channel Scope Kit



## 4 CHANNEL STANDARD KIT

- |                                       |                               |
|---------------------------------------|-------------------------------|
| PicoScope 4423 oscilloscope           | Two-pin breakout lead         |
| 60 A current clamp                    | Acupuncture probe set         |
| 600 A current clamp*                  | 4 x 20:1 attenuators          |
| 2 x red & 2 x black small croc clips  | USB Cable                     |
| 4 x Secondary ignition pick-up leads  | Quick start guide             |
| 1 x red & 1 x black dolphin clips     | S-Hook                        |
| 4 x BNC to 4mm test leads             | Carry case                    |
| Insulation-piercing probes            | Automotive software CD        |
| 2 x red & 2 x black multimeter probes | Vehicle Electronics course CD |

**£1395 \$2302 €1744**

**ORDER CODES** PP495 Standard 4 Channel Scope Kit  
PP540 Commercial Vehicle Kit  
\*2000 A current clamp supplied in Commercial Vehicle kit



# ADVANCED KIT



## 4 CHANNEL ADVANCED KIT

- Contains all the items in the standard kit, plus:
- Extra 60 A current clamp
  - 2 x Fuse extension leads
  - COP probe
  - 4 x Spark plug extension leads
  - 2 x 60 MHz scope probes
  - Set of 4 breakout cables
  - Professional carry case
- For more information see our Advanced Kit brochure online at [www.picoauto.com](http://www.picoauto.com).

**£1995 \$3292 €2494**

**ORDER CODE** PP537 Advanced 4 Channel Scope Kit

## ACCESSORIES - SCOPES



### 4 CHANNEL OSCILLOSCOPE

Most people buy the scope as part of a kit, but we offer the option to buy the scope separately for those who wish to put together a kit for their own specific requirements.

The specifications for the 4 channel scope are listed below.

4 Channels	DC to 20 MHz frequency range
12 bit high resolution	80 MS /s sampling rate
Deep 32M "always-on" memory	Connected to and powered by USB 2.0
±100 V maximum input range	Runs on Windows 7, Vista and XP.
Supplied with PicoScope and Pico Diagnostics software	
	PP503 £799 \$1318 €999



### 2 CHANNEL OSCILLOSCOPE

Most people buy the scope as part of a kit, but we offer the option to buy the scope separately for those who wish to put together a kit for their own specific requirements.

The specifications for the 2 channel scope are listed below.

2 Channels	DC to 20 MHz frequency range
12 bit high resolution	80MS /s sampling rate
Deep 32M "always-on" memory	Connected to and powered by USB 2.0
±100 V maximum input range	Runs on Windows 7, Vista and XP.
Supplied with PicoScope and Pico Diagnostics software	
	PP502 £499 \$823 €624



### CARRY CASES

The hard outer shell of the case protects your kit from the inevitable knocks and bumps of workshop life.

Standard carry case	PP207	£50	\$83	€63
Pro carry case	PP607	£99	\$164	€124

## ACCESSORIES - IGNITION



### COIL-ON-PLUG PROBE

Picks up ignition patterns from coils and coil packs when you can't get access to an ignition lead.

Coil-on-plug probe kit	PP357	£105	\$173	€131
Coil-on-plug probe only	PP338	£95	\$157	€119
BNC to BNC cable with ground clip	TA033	£15	\$25	€19



### SECONDARY IGNITION PICKUP

For safe probing of HT leads without danger from high voltages. Includes a shielded 2.5m lead. Suitable for use with most ignition systems.

Secondary ignition pickup	PP178	£35	\$58	€44
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### COIL-ON-PLUG PROBE EXTENSION LEADS

Allows the standard secondary ignition pickup to be used with coil-on-plug ignition systems.

COP extension leads each	PP399	£24.99	\$41	€31
COP extension leads x4	PP400	£94.99	\$157	€119



### MIXMASTER

Get an ignition parade display for up to 12 cylinders on any 2 channel or 4 channel scope.

Includes 3 BNC leads, a ground lead and a set of 4 short secondary ignition leads.

Mixmaster includes a trigger output, derived from one of the 12 input signals, which can be used to synchronise the scope to a known cylinder.

Additionally, Mixmaster features a simple switch so you can invert a bank of signals to deal with negative-going signals on wasted spark systems.



### MIXMASTER SECONDARY IGNITION PICKUPS (PACK OF 4)

Each lead is approximately 40 cm / 15 in long. These leads do not include an earth clip.

Mixmaster	PP361	£197	\$326	€246
Extra pack of 4 short secondary ignition pickups	PP339	£60	\$99	€75



## ACCESSORIES - BREAKOUT LEADS



### CAN TEST BOX

Breakout box for the 16 pin diagnostic connector.  
LEDs show which protocols are in use.  
Pass-through connector for connecting a scan tool.

CAN test box      PP619    £125    \$206    €156

See separate brochure for further details.



### 6-WAY UNIVERSAL BREAK-OUT LEADS

No need to pierce insulation or back-pin connectors.  
Fully shrouded and insulated for safety.

Micro 0.6mm	PP609	£49	\$81	€61
Small 1.5mm	PP324	£49	\$81	€61
Medium 2.3mm	PP325	£49	\$81	€61
Large 2.8mm	PP326	£49	\$81	€61
Breakout lead kit (S, M, L)	PP327	£129	\$213	€161



### 2-PIN BREAK-OUT LEAD

For standard 2-pin sensors and actuators.  
With 4mm plugs to connect to PicoScope test leads.

2-pin break-out lead      TA012    £25    \$41    €31

## ACCESSORIES - PRESSURE TRANSDUCER



### WPS500X PRESSURE TRANSDUCER

Vacuum, 5, 50 and 500psi (30 bar) ranges.  
3 ranges and 3 zoom levels for static and dynamic pressures.  
Fast and accurate.

WPS500X pressure transducer      Coming soon - check website for details



### FIRSTLOOK ENGINE DIAGNOSTIC SENSOR

Connects to the exhaust or vacuum side of the engine to be tested.  
Offers a fast and accurate method to diagnose automobile engine problems.

FirstLook engine sensor      TA014    £269    \$444    €336

## ACCESSORIES - CURRENT CLAMPS



### 60 AMP CURRENT CLAMP

For primary ignition, fuel injectors, fuel pumps, fans and relays.

60 A current clamp      PP264    £99    \$163    €124



### 600 AMP CURRENT CLAMP

For starter motors, batteries, alternators and compression tests in small to medium-sized vehicles.

600 A current clamp      PP266    £99    \$163    €124



### 2000 A CURRENT CLAMP

For starter motors and batteries in commercial vehicles.

2000 A current clamp      PP253    £99    \$163    €124



### FUSE EXTENSION LEADS

ATS and mini-ATS sizes for all common fuses.  
Use with the 60 amp clamp to measure fuse current.

Fuse extension leads      PP408    £29.50    \$49    €37

## ACCESSORIES - SCOPE PROBES



### 60 MHZ OSCILLOSCOPE PROBE

For accurate measurement of fast signals like CAN bus and FlexRay.  
Standard BNC plug  
1.2m long.

60 MHz oscilloscope probe      MI007    £15    \$25    €19

## ACCESSORIES - SCOPE PROBES



### 700V DIFFERENTIAL PROBE

Measures floating voltages on electric motors and generators.  
Other probes available for higher voltages.

700V differential probe      TA041    £195    \$322    €244



### 20:1 ATTENUATOR

Increases the input range to 300 V.  
For measuring fuel injector and primary ignition voltages.

20:1 Attenuator (each)      PP198    £49    \$80    €61

## ACCESSORIES - 4MM TEST LEAD



### BNC TO 4MM TEST LEAD

Custom-made for automotive diagnostics.  
3m and 5m long versions available.  
Fully screened to reduce noise pickup.

3m test lead      TA000    £20    \$33    €25  
5m test lead      TA020    £30    \$50    €38



### MULTIMETER PROBES

Connect straight to the TA000 and TA020 test lead.  
4mm socket in the handle.

Multimeter probe (black)      TA001    £4    \$7    €5  
Multimeter probe (red)      TA002    £4    \$7    €5



### SMALL CROCODILE CLIPS

11mm jaw opening limit.  
Toothed grip offers good contact on fine wire.  
Connects to TA000 and TA020 test leads.

Small croc clip (black)      TA003    £3    \$5    €4  
Small croc clip (red)      TA004    £3    \$5    €4

## ACCESSORIES - 4MM TEST LEAD



### LARGE DOLPHIN CLIPS

30mm jaw opening limit.  
4 mm socket in the back of the clip.  
Connects to TA000 and TA020 test leads.

Large dolphin clip (black)      TA005    £5    \$8    €6  
Large dolphin clip (red)      TA006    £5    \$8    €6



### ACUPUNCTURE PROBE SET

The set contains:  
5 probes (red, blue, green, black and yellow).  
5 extra set screws and needles.

Acupuncture probe set      TA008    £29    \$48    €36



### 4MM SHROUDED TO UNSHROUDED ADAPTORS

For connecting the shrouded 4mm plugs on the TA000 and TA020 test leads to the shrouded sockets on some older breakout boxes.

4mm shrouded to unshrouded adaptors (black)      TA016    £1    \$2    €1  
4mm shrouded to unshrouded adaptors (red)      TA017    £1    \$2    €1



### INSULATION PIERCING CLIPS

When there is no other way to get to a wire, clamp one of these on and a sharp pin pierces the insulation.  
Accepts 4mm plugs.

Insulation piercing clips      TA007    £25    \$41    €31








### SPRUNG HOOK PROBES





For hands-free probing of wires.  
Fully shrouded for safety.  
Use with BNC to 4mm test leads.

Sprung hook probes (black)      TA089    £4    \$7    €5  
Sprung hook probes (red)      TA090    £4    \$7    €5

## ACCESSORIES - SOFTWARE AND TRAINING

	<b>VEHICLE ELECTRONICS DIAGNOSTIC COURSE CD-ROM</b> Frank Massey shows you how to accurately troubleshoot problems in today's increasingly complex vehicle systems. Included in our standard and advanced kits.	Vehicle Electronics Diagnostics Course CD	DI047	£80	\$132	€100
	<b>NERD AUTOMOTIVE TRAINING CD-ROMS</b> Each Nerd CD contains over 6 hours of non-nonsense training that focuses on getting the job done using proven techniques. Suitable for beginners and experts.	Nerd CD I Nerd CD II Nerd CD III Nerd CD IV Nerd CD set I - IV	DI037 DI038 DI039 DI040 PP349	£85 £85 £85 £85 £330	\$140 \$140 \$140 \$140 \$545	€106 €106 €106 €106 €413
	<b>ACE MISFIRE DETECTIVE</b> With ACE Misfire Detective you can save time locating misfires. The ACE Misfire software will effortlessly detect even the slightest misfires no matter how elusive they may be to conventional detection methods.	ACE Misfire Detective software Inductive pick-up ACE Misfire Kit	TA029 TA032 PP337	£437 £35 £1181	\$721 \$58 \$1949	€546 €44 €1476
	<b>AUTO-SOLVE DIAGNOSTIC ASSISTANCE CD-ROM</b> Contains 26 topics, 140 web pages and 240 technical illustrations. Provides help on topics such as turbochargers, starting circuits, fault codes and fuel injection.	Auto-Solve Diagnostic Assistance CD-ROM	DI003	£39.95	\$66	€50
	<b>ADVANCED AUTOMOTIVE FAULT DIAGNOSIS</b> This book explains the science of diagnostics, explaining how systems operate. It gives diagnostic case studies, detailed diagrams, flow charts and self-assessment questions.	Advanced Automotive Fault Diagnosis book	DO123	£19.99	\$33	€25

## ACCESSORIES - OTHER

	<b>S-HOOK</b> Keeps test leads tidy in the engine bay	S-hook	MI168	£2	\$3	€3
	<b>BNC PLUG TO 4MM ADAPTOR</b> Connects two 4mm plugs to a BNC socket	BNC plug to 4mm adaptor	MI078	£10	\$17	€13
	<b>CABLE IDENTIFIER KIT</b> Fit these coloured clips on both ends of your screened test leads. Helps to avoid confusion, especially when using all 4 channels of your scope.	Cable identifier kit	Supplied in all kits			
		Full details of our accessories range can be found on our website.  For full details of our kit please download our advanced kit brochure from our website at <a href="http://www.picoauto.com">www.picoauto.com</a>  This contains all the details about our advanced kit, the PicoScope 4000 oscilloscope and our software.				

## TECHNICAL SUPPORT & RESOURCES



### ONLINE RESOURCES

Our website has a number of features to help you get the most out of your PicoScope. Our online Automotive Library contains lots of tutorials, articles and case studies so you can see the scope being used in different real life scenarios. These include:

- Engine management tutorials
- Automotive diagnostics videos
- Real life diagnostic case studies
- Everyday diagnostic case studies
- Library of automotive waveforms
- Manuals and brochures

### TRAINING COURSES

Focusing on engine management diagnostics, our courses will show you how to get the best from the PicoScope software and diagnostics kit. The areas covered include the basic working principles of Engine Management systems, testing components and system diagnostics using oscilloscopes. Find out more about our upcoming courses and where your closest venue is by visiting our website.

### LIFETIME TECHNICAL SUPPORT

Free lifetime technical support is available for all customers, whether you would like one of our team of experts to answer your query or to advise you on the best products to suit your needs.

### AUTOMOTIVE TECHNICAL EXPERTS

Our team of technical experts are on hand to assist you with your purchase and answer any technical queries you may have.

### NEWSLETTER

Keep up-to-date with the latest news, product developments and offers from Pico Technology. To join our mailing list, visit: [www.picotech.com/maillist.html](http://www.picotech.com/maillist.html).

### FREE SOFTWARE UPGRADES

Free software upgrades for the lifetime of the product are available on our website.

### WORLDWIDE SUPPORT

Our software is supplied in English, French, German, Italian, Dutch, Spanish, Hungarian and Chinese.

### HELP FORUM

Our online help forum is the easy way to get advice from our dedicated team of technical experts.

## ORDERING INFORMATION

We aim to despatch orders within 24 hours of receiving payment for products in stock from 9am to 5pm (Monday to Friday).

### ORDERING

Pico Technology supports a network of distributors in over 50 countries worldwide who are helping to build and maintain its enviable reputation in the industry. Details of your local distributor who will be happy to help you can be found at [www.picoauto.com/automotive-distributors.html](http://www.picoauto.com/automotive-distributors.html)

Customers from the UK and those from countries without a local distributor can also place orders direct with Pico Technology by phone, fax or secure e-commerce.

### PAYMENT

We accept payment in Sterling, Euros and US Dollars. Payment is also accepted by credit card (Visa or MasterCard) or debit card (Maestro/Switch or Delta).

Please note that all sales are subject to our standard terms and conditions. Prices are believed to be correct at the time of printing but are subject to change without notice.

Please check the current Euro and Dollar prices on our website before ordering.

Errors and omissions excepted.



**Pico Technology**

James House

Colmworth Business Park

St. Neots

Cambridgeshire

PE19 8YP

United Kingdom

Tel: +44 (0)1480 396395

Fax: +44 (0)1480 396296

E-mail: [sales@picoauto.com](mailto:sales@picoauto.com)

Web: [www.picoauto.com](http://www.picoauto.com)