

pico[®]

Technology

2007 Product Catalogue



OSCILLOSCOPE DIAGNOSTIC KITS

SPARE PARTS

ACCESSORIES

DIAGNOSTIC SOFTWARE

TRAINING COURSES , BOOKS AND MEDIA

www.picotech.com



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Dear Customer,

Welcome to the latest automotive catalogue from Pico Technology. You will find a selection of innovative new products, including our multi-award-winning Oscilloscope Diagnostics Kit and the brand-new PicoScope 6 Automotive software. These are fast becoming the industry standard for dealer-level and aftermarket diagnostics and are used by a number of major vehicle manufacturers.

We offer all of our customers unbeatable technical support, with our team of experts on call to assist you with your product selection and your after-sales enquiries. Our stringent quality controls ensure that you receive the highest quality products with the very best level of service.

We would like to take this opportunity to thank all of our customers, who over the last 15 years have helped us become one of the leading manufacturers of PC-based Automotive Diagnostic products. We look forward to helping you.

Best wishes,

The staff of Pico Technology


Contact Details

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Web :	www.picotech.com

What's New?

NEW

Coil-on-plug probe



Signal pickup for ignition coils.
See page 10

NEW

6-way Universal Breakout Leads

Just three sizes fit most automotive blade-type connectors.
See page 10



NEW

Pico Supports ATA


Pico diagnostic products are used in ATA training centres.



NEW

Mixmaster


12-channel ignition signal mixer. Use with your scope to check wasted-spark DIS engines with up to 12 cylinders.
See page 12



NEW

Advanced Automotive Fault Diagnosis

Second edition of this highly respected manual by Tom Denton.
See page 16



NEW

PicoScope 6 Software

Used in all oscilloscope diagnostic kits and stand-alone scopes.
See page 14



Support

- **Lifetime Technical Support...**
Free lifetime technical support is available for all customers, whether you'd like one of our team of experts to answer your query or advise you on the most appropriate products to suit your needs.
- **Distributor Network...**
Our network of distributors in over 60 countries makes ordering easy for international customers.
- **Worldwide Support...**
Our software is supplied in English, French, German and Italian.

Quality

- **ISO 9001:2000...**
Pico Technology is an ISO 9001:2000 registered company, ensuring that the products we offer are of the highest quality at the most competitive price.
- **Compliance...**
All of our products are CE marked where appropriate and comply with relevant European directives and FCC regulations.
- **Warranty...**
For your peace of mind we provide a two-year warranty with our own products.
- **Calibration Certificates...**
Did you know that we offer a calibration service for a number of our products? Please call technical support for further details.



FM 52022

Online

- **Newsletter...**
Keep up-to-date with the latest news, product developments and offers from Pico Technology by joining our mailing list. Please visit: www.picotech.com/maillist.html for details.
- **FREE Software Upgrades...**
Free software upgrades for the lifetime of the product are available on our website.
- **Secure e-commerce...**
All products can be ordered online through our secure e-commerce service.
- **Help Forum...**
Our online help forum is the easy way to get advice from our dedicated team of technical experts.

DO122-1

January 2007

Ordering Information

How to Order

Ordering from Pico Technology is easy and stress-free. We aim to despatch orders within 24 hours of receiving payment for products in stock from 9 am to 5 pm (Monday to Friday).

Whichever way you place your order, simply provide us with the following information: your full name, telephone number and email (if applicable), company name (if applicable), invoice address and postcode, delivery address and VAT number (for EU companies only).

Contact

☎ Telephone: +44 (0) 1480 396 395
 ☎ Fax: +44 (0) 1480 396 296
 ✉ Post: Pico Technology
 James House
 3 Marlborough Road
 Colmworth Business Park
 Eaton Socon
 St. Neots
 Cambridgeshire
 PE19 8YP, UK
 @ Email: sales@picotech.com
 🌐 Web: www.picotech.com

International Customers

Our extensive network of distributors in over 60 countries will be happy to take your order. You can find your local distributor by visiting: www.picotech.com/distribl.html

If there is no local distributor in your country, you may order directly from Pico Technology. You will need to quote an order number, address and contact number as well as shipping instructions. Please note that you may be required to pay import duty, in which case Pico Technology is not responsible for these charges.

Order Online

All of our products can be purchased through our secure e-commerce website at: www.picotech.com

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).



Delivery

Destination	Economy			Courier		
	£	\$	€	£	\$	€
UK	5.00	9.50	7.50	15.00	28.50	22.00
EU	15.00	28.50	22.00	25.00	47.50	37.00
USA	15.00	28.50	22.00	25.00	47.50	37.00
Other	20.00	38.00	29.50	40.00	76.00	59.00

For same day or urgent delivery, large quantities or large parcels, please contact our sales department for special pricing.

Please note that all sales are subject to our standard terms and conditions printed inside the back cover of this catalogue. Prices are believed to be correct at the time of printing but are subject to change without notice. Please check the current price on our website before ordering. Errors and omissions excepted.

The Oscilloscope Diagnostics Kit saves you time and money when diagnosing electrical and electronic faults on vehicles. It lets you quickly track down the exact cause of the problem, so you don't waste money swapping out good parts. The kit is based on the successful PicoScope 3423 PC Oscilloscope, includes a versatile software and information package, and turns your laptop or desktop PC into a powerful tool for automotive fault-finding.

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

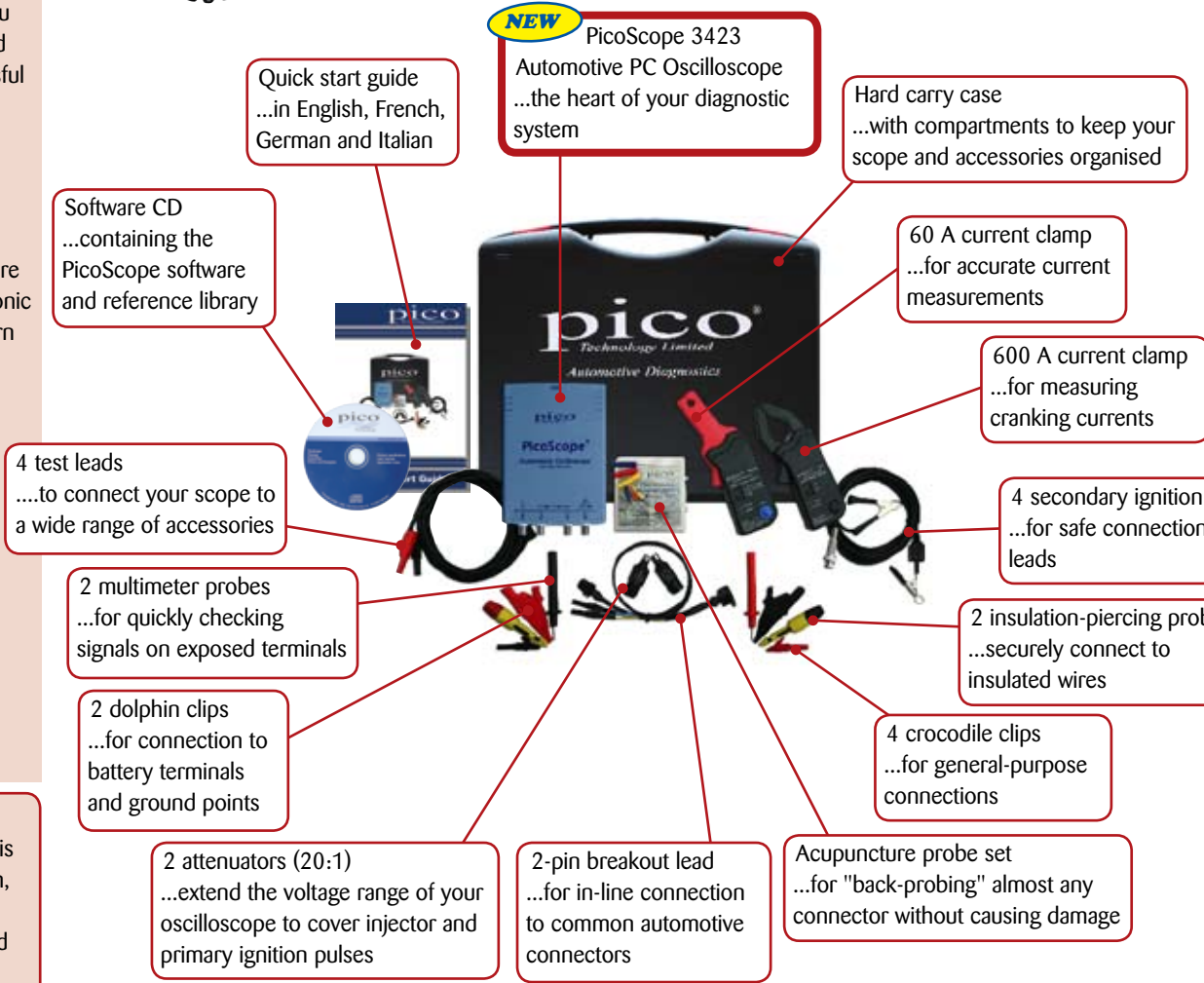
- Ignition (primary & secondary)
- Injectors & fuel pumps
- Starter & charging currents
- ABS sensors, crank & cam sensors
- Lambda (oxygen), airflow, knock & MAP sensors
- Glow plugs/timer relays
- Relative compression tests
- New feature: CAN and LIN bus reference waveforms

Spares and Accessories

- For details of the components of this kit, and spares ordering information, see page 8.
- For a range of accessories to extend the capabilities of your kit, see page 10.


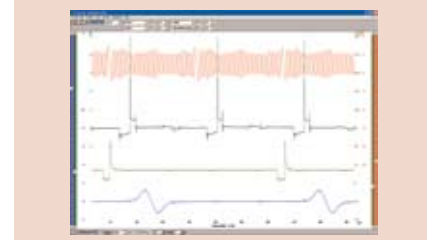


Oscilloscope Diagnostics Kit



Specified by several major vehicle manufacturers

Everything you need, perfectly organised in a durable case.

View, print and save highly detailed waveforms like these. Build your own waveform library on your hard disk. See p14 for details of the software.



Portable and rugged enough for use in the workshop or on the road.

2-Channel Version Also Available

The 2-channel version is based on the PicoScope 3223 PC Oscilloscope. It has all the advantages of the 4-channel version, but includes fewer accessories to match the reduced number of channels. For details, visit: www.picotech.com.

Description	Price			Order No.
	£	\$	€	
2-Channel Oscilloscope Diagnostics Kit	825	1567	1221	PP280
4-Channel Oscilloscope Diagnostics Kit	1225	2327	1813	PP276

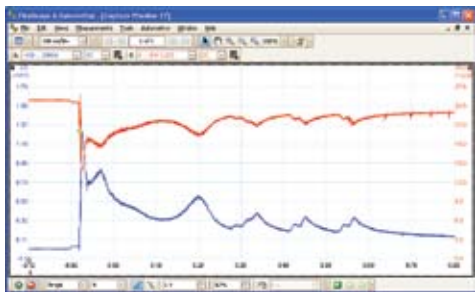
Commercial Vehicle Diagnostics Kit

Designed specifically for the testing of vans, trucks and other commercial vehicles, the commercial vehicle version of the award-winning Oscilloscope Diagnostics Kit is based on the PicoScope 3423 PC Oscilloscope.

The PC Oscilloscope's fast sampling rate supports the capture and viewing of CAN bus signals, whilst its 512 k record length lets it record complex waveforms, such as cam and

crank signals, without sacrificing horizontal resolution.

The Pico 2000 ampere current clamp is included as standard in the Commercial Vehicle Diagnostics Kit. With a DC range of 0 to 2000 A, this current clamp is ideal for measuring the extremely high currents drawn by the starter motors of commercial vehicles.



Kit Contents:

- PicoScope 3423 PC Oscilloscope
- 2000 A AC/DC Current Clamp
- 60 A AC/DC Current Clamp
- 2 x Secondary Ignition Pickups
- 4 x 20:1 Attenuators
- 8 x Multimeter Probes
- 4 x Small Crocodile Clips
- 2 x Large Dolphin Clips
- Insulation Piercing Probes
- 4 x TA000 Test Leads
- 2-Pin Breakout Lead
- Acupuncture Probe Set
- Automotive Software CD
- Quick Start Guide
- Carry Case

Description	£	Price \$	€	Order No.
Commercial Vehicle Diagnostics Kit	1225	2327	1813	PP286

Custom Diagnostics Kits

We have produced custom kits for a number of major consumer and commercial vehicle manufacturers. We provide not only the branded hardware and software, but a complete diagnostic information package based on your vehicles, including waveforms, data, photographs and explanatory topics.



Contact us to discuss a custom kit with our automotive sales team:

Telephone:
+44 (0)1480 396395

Email:
sales@picotech.com

Spares for Diagnostics Kits

Insulation-Piercing Clips

- Ideally suited for automotive test and diagnostics
- Can pierce a wide range of wire types and sizes
- Feature a rotating banana jack to prevent damage to wiring
- Connect to the TA000 and TA020 test leads



Description	Price			Order No.
	£	\$	€	
Insulation-Piercing Clips (2)	25	48	37	TA007

20:1 Attenuator

- Passive 20:1 attenuator
- Provides increased input protection against overloads
- For measuring fuel injector and primary ignition voltages
- Connects in series between the PicoScope oscilloscope and the test lead



Description	Price			Order No.
	£	\$	€	
20:1 Attenuator	49	93	73	PP198

Secondary Ignition Pickup

- Capacitive pickup
- Connect around the insulation of an HT lead
- Includes a shielded 2.5 m lead
- Suitable for use with most ignition systems



Description	Price			Order No.
	£	\$	€	
Secondary Ignition Pickup	35	67	52	PP178

60 A AC/DC Current Clamp

- 20 A and 60 A ranges
- Measure fuel injector, fuel pump and coil currents
- Push-button auto-zero
- Connects directly to PicoScope PC Oscilloscopes



Description	Price			Order No.
	£	\$	€	
60 A AC/DC Current Clamp	99	188	147	PP264

Multimeter Probes



- Connect straight to the TA000 test lead
- 4 mm socket in the handle

Description	Price			Order No.
	£	\$	€	
Multimeter Probe (Black)	4	8	6	TA001
Multimeter Probe (Red)	4	8	6	TA002

Acupuncture Probe Set

The set contains:

- 5 probes (1 each of red, blue, black, green and yellow)
- 5 extra set screws
- Plenty of extra needles
- 5 extra boots (1 of each colour)
- A durable plastic storage case



Description	Price			Order No.
	£	\$	€	
Acupuncture Probe Set	29	55	43	TA008

BNC to 4 mm Test Lead

- Custom-made for automotive diagnostics
- 3 metres (10 ft) long
- Fully screened to reduce noise pickup
- 5 metre (16 ft) version available: see TA020



Description	Price			Order No.
	£	\$	€	
3 m Test Lead	20	38	30	TA000

600 A AC/DC Current Clamp

- Display starter and charging current waveforms
- Useful for quick compression tests
- Connects directly to PicoScope PC Oscilloscopes



Description	Price			Order No.
	£	\$	€	
600 A AC/DC Current Clamp	99	188	147	PP266

Small Crocodile Clips

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



Description	Price			Order No.
	£	\$	€	
Small Croc Clip (Black)	3	6	4	TA003
Small Croc Clip (Red)	3	6	4	TA004

Large Dolphin Clips

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



Description	Price			Order No.
	£	\$	€	
Large Dolphin Clip (Black)	5	10	7	TA005
Large Dolphin Clip (Red)	5	10	7	TA006

2-Pin Break-Out Lead

- 2-pin break-out lead
- For taking voltage readings from actuators and sensors
- Connects to the TA000 and TA020 test leads



Description	Price			Order No.
	£	\$	€	
2-pin Break-Out Lead	25	48	37	TA012

2000 A AC/DC Current Clamp

- Suitable for measuring currents of up to 2000 A DC or 1500 A AC.
- Connects to the TA000 or TA020 test lead
- Included in the Commercial Vehicle Kit



Description	Price			Order No.
	£	\$	€	
2000 A AC/DC Current Clamp	99	188	147	PP253

Accessories for Diagnostic Kits

Coil-on-Plug Probe

NEW



- The quick way to find misfires
- For when you can't use capacitive pickups
- Suitable for a variety of engine makes and models
- Needs no batteries



- Kit includes 3 m (10 ft) long cable, With ground clip to protect you and your scope from stray high voltages
- Probe and cable available separately, or as a money-saving kit

Description	Price			Order No.
	£	\$	€	
Coil-on-plug Probe Kit	105	200	155	PP357
Coil-on-plug Probe only	95	181	141	PP338
BNC to BNC Cable with Ground Clip	15	29	22	TA033

Extra Long BNC to 4 mm Test Lead

- Custom-made for automotive diagnostics
- 5 metres (16 ft) long
- Fully screened to reduce noise pickup
- 3 m (10 ft) version also available: see TA000



Description	Price			Order No.
	£	\$	€	
5 m Test Lead	30	57	44	TA020

6-Way Universal Break-Out Leads

NEW



- No need to pierce insulation or back-pin connectors
- Fully shrouded and insulated for safety
- Available in three sizes to fit almost all blade-type connectors
- Connect to the TA000 and TA020 test leads
- Buy a set of all three sizes for even better value for money



Description	Price			Order No.
	£	\$	€	
6-way Universal Lead 1.5 mm	49	93	73	PP324
6-way Universal Lead 2.3 mm	49	93	73	PP325
6-way Universal Lead 2.8 mm	49	93	73	PP326
6-way Universal Lead Set	129	245	191	PP327

4 mm Shrouded to Unshrouded Adaptors

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



Description	Price			Order No.
	£	\$	€	
4 mm S/US Adaptor (black)	1	1.90	1.48	TA016
4 mm S/US Adaptor (red)	1	1.90	1.48	TA017

Additional accessories are available. Please visit our website for further details:
www.picotech.com

FirstLook Engine Diagnostic Sensor

"A quick and easy way to identify engine problems"))) *FirstLook™*

The FirstLook Engine Diagnostic Sensor offers a fast and accurate method to diagnose automotive engine problems such as burnt valves, bad injectors and other performance problems without major disassembly of the engine.

When connected to the exhaust or vacuum side of the engine to be tested, the FirstLook Engine Diagnostic Sensor enables a mechanic to quickly display a complete picture of core engine performance on a digital storage lab scope or a PC Oscilloscope.

The FirstLook sensor requires no external power supply and is particularly suitable for use with the Automotive Oscilloscope Kit.

Kit Contents:

- FirstLook Diagnostic Sensor
- 7.6 m (25 ft) BNC to BNC cable
- 1.1 m (45") BNC to banana jack plug cable
- BNC to BNC adapter
- Vacuum line adapter



For details on how the sensor works visit:

www.picotech.com/engine-diagnostic-sensor.html

Exhaust or Vacuum Side of Engine



Output to Lab Scope

A Complete Automotive Diagnostics Solution

Why not buy a FirstLook sensor together with an Automotive Oscilloscope Kit (see page 4) or with the ACE Misfire Diagnostic software (see page 17) for a complete diagnostic solution in one easy-to-use package?

Description	Price			Order No.
	£	\$	€	
FirstLook Engine Diagnostic Sensor	269	511	398	TA014
2-Channel Oscilloscope Kit with FirstLook Sensor	1060	2014	1569	PP341
4-Channel Oscilloscope Kit with FirstLook Sensor	1460	2774	2160	PP342

Mixmaster NEW

12-Channel Ignition Signal Mixer



Mixmaster can produce a parade display of up to 12 cylinders using a single channel of your automotive scope. If you have a 2-channel scope, then Mixmaster can also display 2 engine banks separately with up to 6 cylinders per bank.

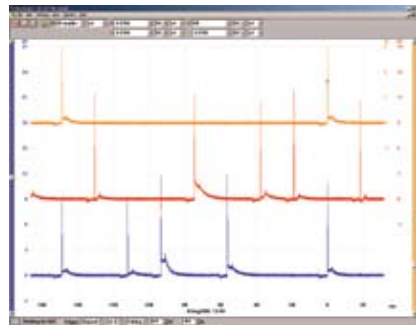
Mixmaster includes a trigger output, derived from one of the 12 input signals, which can be used to synchronise the scope to a known cylinder. Additionally, Mixmaster features a simple switch so you can invert a bank of signals to deal with negative-going signals on wasted-spark systems.

Designed for use with the Automotive Oscilloscope Kit, Mixmaster can also be used on virtually any other automotive scope, and can be used on both DIS and distributor ignition systems.

What Do You Get?

Mixmaster is packaged with all the parts you need to connect it to an engine and your PicoScope Oscilloscope Kit.

- Mixmaster 12-channel signal mixer
- Pack of 4 secondary ignition pickups
- Engine ground lead
- 3 BNC to BNC cables to connect MixMaster to your PC Oscilloscope
- Cable ID kit
- Software and reference CD
- User Guide in English, French, Italian, German and Spanish



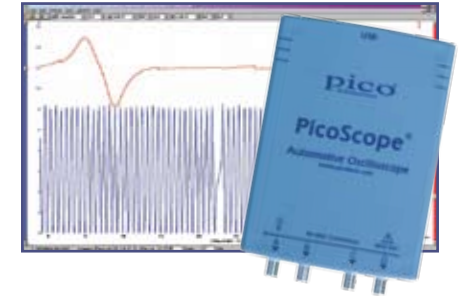
With a 2-channel scope you can see Bank 1 (blue trace) and Bank 2 (red trace) of this V8 engine. With a 4-channel scope you can trigger on cylinder 1 (yellow trace) to enable you to identify the cylinders.

Description	Price			Order No.
	£	\$	€	
Mixmaster 12-Channel Ignition Signal Mixer	197	374	292	PP361
Extra Pack of 4 Short Secondary Ignition Pickups	60	114	89	PP339

PicoScope 3000 Series Automotive PC Oscilloscopes NEW

The PicoScope 3223 and 3423 PC Oscilloscopes are our recommended products for automotive fault-finding, and are used in all our Oscilloscope Diagnostic Kits. They are ideal for viewing and testing most automotive signals and sensors. Examples of signal types are listed in the library of waveforms on our website.

- Two- and four-channel versions
- Ideal for automotive fault-finding
- Can capture and expand complex signals
- 12-bit resolution for finer detail, giving over 4000 voltage levels
- 512 k record length
- 20 MS/s sampling rate
- ±1% accuracy
- ±20 mV to ±50 V inputs in 11 ranges
- 10 MHz analogue bandwidth



Visit our library of waveforms at: www.picotech.com/auto/waveforms.html

Automotive Oscilloscope Specifications

Product	PicoScope 3223	PicoScope 3423
Used in	2-Channel Kit	4-Channel Kit, Commercial Vehicle Kit
Resolution	12 bits (4096 points)	
Channels	2	4
Voltage ranges	± 20 mV to ± 50 V in 11 ranges	
Overload protection	± 100 V	
Input impedance	1 MΩ	
Sampling rate	20 MS/s (1 channel) 10 MS/s (2 channels)	20 MS/s (1 channel) 10 MS/s (2 channels) 5 MS/s (3 or 4 channels)
DC accuracy	±1%	
Scope timebases	500 ns/div to 50 s/div	
Analogue bandwidth	10 MHz (5 MHz on ±20 mV range)	
Buffer size	512 k samples	
Power supply	No external PSU required (powered by USB)	
Input connectors	2 x BNC	4 x BNC
Output connector	USB 2.0 (USB 1.1 compatible); USB cable supplied	
Dimensions	140 x 200 x 45 mm (5.51 x 7.48 x 1.77 in)	
Environmental	+20°C to +30°C for quoted accuracy, 0°C to +70°C operating 20% to 90% relative humidity, non-condensing	
Supplied software	PicoScope 6 (see page 14)	

Description	Price			Order No.
	£	\$	€	
Oscilloscopes only. For complete kits, see pages 4-7.				
PicoScope 3223 2-Channel Automotive PC Oscilloscope	399	758	591	PP279
PicoScope 3423 4-Channel Automotive PC Oscilloscope	699	1328	1035	PP277

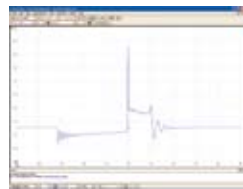
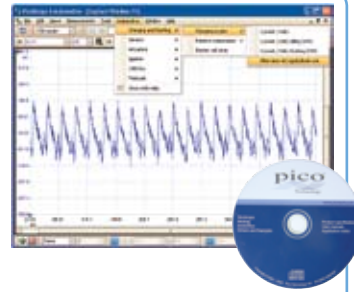
PicoScope 6 Software

NEW

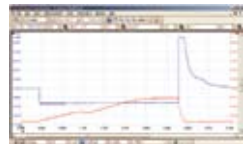
PicoScope 6 is our latest PC Oscilloscope software. For the convenience of automotive users, it contains an Automotive menu with a list of the different sensors and circuits that can be tested with the Oscilloscope Kit. When you select a test, the software automatically:

- Loads a reference waveform into PicoScope
- Loads a help page. This shows how to connect the scope, what the waveform should look like, and any other general technical information that you will need
- Loads the required settings into PicoScope, so you don't need to spend time setting up.

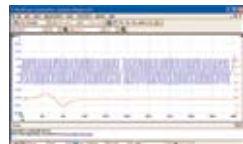
The full version of the software has over 70 topics and waveforms. If you would like to try before you buy, download the free demo. This has four topics, and runs with no Pico hardware connected.



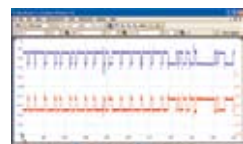
You can use the entire screen of your computer to see hugely detailed waveform patterns, like this secondary ignition pulse. There is plenty of room to add your own notes at the bottom of the screen.



Dual-tracing is easy. Select a preset menu, or switch on the number of channels you want to see. You can drag the waveforms up and down to make the best use of the display area.



Capture long sequences, like these camshaft and crankshaft sensor patterns, to check for missing or distorted pulses over a whole engine revolution.



PicoScope can sample at high speeds, letting you capture fast-moving signals like CAN and LIN bus lines. 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. The information you need appears automatically when you select an automotive test from the menu.



Pico Labs

NEW

Pico Labs is a showcase for new software that's fully functional but isn't ready for release. We offer this software for your convenience, but without the free telephone and email support that comes with our mainstream products. If you try Pico Labs software, please visit our forum to tell us what you think of it.

Check for the latest Pico Labs products, and get directions to the forum, at:

labs.picotech.com



Pico Diagnostics

Check your engine in seconds with this latest creation from Pico Labs. Pico Diagnostics is an easy-to-use program that can deliver valuable information using just a connection to the battery.

Each test produces diagnostic information for the workshop and a detailed chart that you can show to the customer.

The program is free for all owners of Pico Oscilloscope Diagnostics Kits.



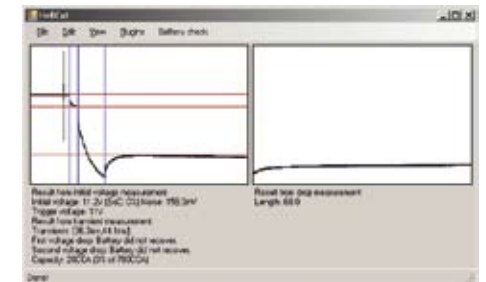
Visit the Pico Labs home page:

labs.picotech.com

and select 'Pico Diagnostics'.

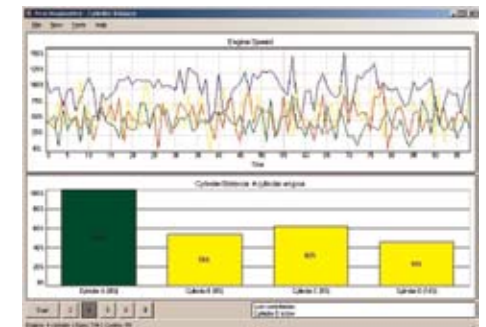
Battery Test

Analyse the battery in detail. See graphical results of cranking and long-term capacity tests.



Relative Compression Test

Just crank the engine without starting it, and the program will immediately detect any leaking cylinder seals.



Books, CDs, DVDs and Training Courses

Free Video Introduction

NEW

Industry expert Frank Massey presents our video introduction to automotive oscilloscopes. Find out how a scope can make your diagnostic work easier and more accurate.



Watch it online, or request a free CD, at: www.picotech.com/auto/automotive-oscilloscope-guide/ or call +44 (0)1480 396 395.

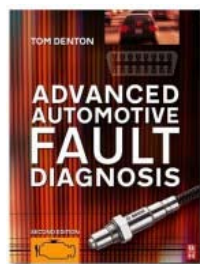


Engine Management Diagnostics using PicoScope

This two-day course explains the basic working

principles of engine management systems, component testing and system diagnostics using oscilloscopes. The focus is on using PicoScope to evaluate engine systems and their components, including injectors, lambda sensors, ignition components and other sensors and actuators. The course includes theory sessions and hands-on workshop training using the Pico Automotive Diagnostic Kit.

See our website for details, prices and booking information: www.picotech.com/training/training_auto.html



Advanced Automotive Fault Diagnosis (2nd edition)

NEW

This book explains the science of diagnostics, explaining how systems operate, and giving diagnostic case studies,

detailed diagrams and flow charts, and self-assessment questions. It is an essential text for students studying fault diagnosis and repair, and valuable reference for automotive personnel, from mechanics to service managers.

Description	Price			Order No.
	£	\$	€	
Advanced Automotive Fault Diagnosis	19.99	38	30	DO123



The Nerd Series: from Tom Roberts of AutoNerdz

NEW

Each Nerd CD contains over 6 hours of no-nonsense training that focuses on getting the job done using

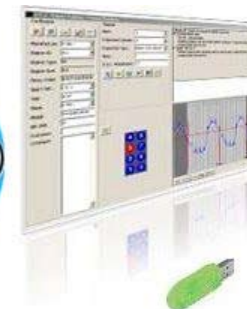
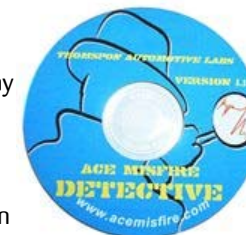
proven techniques. Suitable for beginners and experts alike, Nerd automotive training CD-ROMs are packed with so much information that you can watch them again and again, and learn something new each time.

Description	Price			Order No.
	£	\$	€	
Nerd CD I	85	162	126	DI037
Nerd CD II	85	162	126	DI038
Nerd CD III	85	162	126	DI039
Nerd CD IV	85	162	126	DI040
Nerd CD Set I-IV	330	627	488	PP349

ACE Misfire Detective

NEW

With ACE Misfire Detective you can instantly identify misfiring cylinders without complicated equipment or diagnostic procedures. The ACE Misfire software effortlessly detects even the slightest misfires no matter how elusive they may be to conventional detection methods.



The ACE Misfire software can also be used as a preventive maintenance tool that can show you when the injectors need to be cleaned, and even print a report of 'before' and 'after' results that you can give to your customers.

The software is available on its own or in a variety of money-saving kits. Refer to our website for detailed descriptions of the ACE Misfire kits.

Description	Price			Order No.
	£	\$	€	
ACE Misfire Detective (software only) with USB key	437	830	647	TA029
Inductive pick-up for use with ACE Misfire Detective	35	67	52	TA032
ACE Misfire Detective Kit (upgrade for Pico ADC-212 Kit)	1181	2244	1748	PP337
ACE Misfire Detective + Pico 2-Channel Oscilloscope Kit	1510	2869	2235	PP332
ACE Misfire Detective + Pico 4-Channel Oscilloscope Kit	1910	3629	2827	PP331

Auto-Solve Diagnostic Assistance CD-ROM

Containing 26 topics, over 140 web pages and over 240 technical illustrations, the Auto-Solve Diagnostics Assistance CD-ROM provides help on a wide range of topics and vehicle problems including turbochargers, starting circuits, variable valve timing, fault codes and fuel injection.

Also included on the CD-ROM is an extensive waveform library together with diagnostics flowcharts to assist in fault diagnosis and problem solving.

The Auto-Solve Diagnostic Assistance CD-ROM is a valuable automotive diagnostic tool and an ideal companion to the Automotive Diagnostics Kit.



Description	Price			Order No.
	£	\$	€	
Auto-Solve Diagnostic Assistance CD-ROM	60	114	89	DI003

Have you seen these Test and Measurement products from Pico Technology?

PicoScope 5000 Series High-Performance PC Oscilloscopes

1 gigasample per second
250 MHz bandwidth at probe tip
Up to 128 M record length



NEW

ADC-20 and ADC-24 High-Resolution Data Loggers

20 and 24 bits
USB-powered



NEW

PicoScope 2104 and 2105 Entry-Level PC Oscilloscopes

Ergonomic design
USB-powered



NEW

HumidiProbe Temperature and Humidity Data Logger

Compact design
USB-powered



NEW

USB TC-08 Eight-Channel Thermocouple Data Logger

USB-powered



NEW

PicoScope 2202 Entry-level PC Oscilloscope

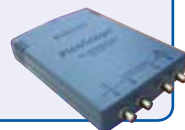
Excellent value for money
USB-powered



NEW

PicoScope 3000 Series High-Resolution PC Oscilloscopes

12-bit resolution
USB-powered



NEW

To see our full range of test and measurement products, visit:

www.picotech.com

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Standard Terms and Conditions of Sale

1. Acceptance of Order

All contracts of sale made by Pico Technology shall be deemed to incorporate these Terms and Conditions which shall prevail over any other document or communication from the party with whom Pico Technology is dealing. All orders are accepted and fulfilled subject to these Conditions of Sale unless otherwise varied by agreement in writing.

2. Prices

Goods will be charged at the price in effect at the time of ordering. Where chargeable, VAT will be charged at the rate applicable at the time of despatch.

3. Delivery

Any time or date for delivery stated by Pico Technology shall be treated as an estimate only. Whilst every effort is made to despatch goods on time, no liability can be accepted by Pico Technology for failure to deliver within agreed times.

Pico Technology shall not be liable for any loss or damage whatsoever (including consequential loss or loss of profit) arising directly or indirectly from any delay in the delivery of all or any of the goods howsoever caused.

Pico Technology will accept no liability for shortages, damage to or non-delivery of goods unless the Customer notifies Pico Technology in writing within five days of receipt of goods.

All orders are subject to a delivery charge which includes postage, packing and insurance in transit. This charge will be added to the sales invoice. All import duties and taxes are the responsibility of the customer.

4. Payment

Pico will retain title to goods supplied until payment for the goods is received in full.

Payment Methods

When ordering direct from Pico Technology, payment will be to Pico Technology Limited. Payment terms for UK company orders (where allowed) are strictly 30 days from date of invoice.

i. Credit Card

We accept VISA, MASTERCARD and SWITCH/MAESTRO. We will need your card number, security code and expiry date (also the start date and/or issue number for Switch) and the full name and address of the cardholder with the cardholder's signature on the order. Your goods will be despatched upon receipt of your credit card details.

ii. Cheque

We can accept a Sterling, Euro or US Dollar cheque drawn on a UK bank only. You should ask us for a pro-forma invoice so that you can write a cheque for the correct amount including the carriage. We will despatch your goods as soon as we receive your order enclosing the cheque.

iii. Bank Draft

We can accept a bank draft made out in Sterling, Euros or US dollars. Your local bank will sell you a bank draft in one of these currencies. You should ask us for a pro-forma invoice so that you can arrange a bank draft for the correct amount including the carriage. We will despatch your goods as soon as we receive your order enclosing the bank draft.

iv. Telegraphic Transfer

We can accept payment by telegraphic transfer in Sterling, Euros or US Dollars. We will send you a pro-forma invoice against which to make payment. This will ensure that the correct amount is transferred. You should allow 7 to 10 days for the transfer. The goods will be despatched as soon as the transfer is received.

Trademarks

Pico Technology Limited and PicoScope are internationally registered trademarks of Pico Technology Limited. Pico Technology acknowledges the following product names as trademarks of their respective owners: Windows.

Our bank details are as follows:

Barclays Bank Plc
Hastings Branch
207/208 Queens Road
Hastings
TN34 1QP
Sort Code: 20-37-63
Account Number: 80617555

SWIFT Code: BARCGB22
GBP IBAN: GB52BARC20376380617555
USD IBAN: GB54BARC20710273613611
Euro IBAN: GB37BARC20710286522677

If you have any queries regarding payment terms or methods, please e-mail our accounts department:

accounts@picotech.com

5. Product Specifications

Pico Technology reserve the right to alter or amend specifications without notice as part of our policy of continued improvement. Errors and omissions excepted.

6. Warranty

All Pico products are covered by a 24 month return-to-manufacturer repair warranty for parts and labour from the date of purchase against defective materials and/or workmanship and software faults provided the product has at all times been subjected to normal and proper use.

Pico Technology shall not be liable for a breach of the warranty if the defect has been caused by fair wear and tear, wilful damage, negligence, abnormal working conditions or failure to follow Pico Technology's spoken or written guidelines as to the storage, installation, commissioning, use or maintenance of the goods or (if there are none) good trade practice; or the customer alters or repairs such goods without the written consent of Pico Technology.

Extended warranty is available for an extra cost and is subject to the same warranty policy.

7. Returning an Unsuitable or Faulty Unit

In the event that your purchase does not prove suitable for your application, you can return the product within 14 days of the original dispatch date and in good-as-new condition for an exchange or refund.

If the unit becomes faulty within 24 months and has not been subject to abuse, then you may return the unit to Pico for repair or replacement free of charge.

You must contact Pico for a returns number before returning a product under warranty.

The customer is responsible for all shipping costs. Overseas customers should describe returns for customs purposes as "Customer-owned equipment for repair under warranty". Pico Technology Ltd accepts no responsibility for units returned without a returns number. The goods we send as replacements will be in a similar condition to those you returned, or better.

8. Liability

The Company's liability will be limited to the value of the goods only and not for any consequential damages or losses howsoever caused.

9. General

These terms and conditions shall be governed and construed in accordance with the Laws of England and subject to the non-exclusive jurisdiction of the English courts.

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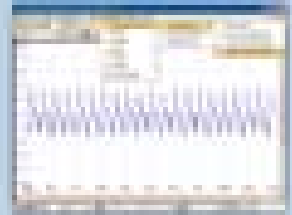
Coil-on-plug
probe

Mixmaster
12-channel
ignition signal mixer



6-way universal
break-out leads

PicoScope 6
PC Oscilloscope
software



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