

## The Next Generation of PicoScope Automotive Oscilloscopes from Pico Technology



*Click images for hi-res versions*

Pico Technology has launched the next generation of Automotive PicoScopes with a host of exciting features and has again managed to massively improve the performance but keep the same price. The new scopes are available as 2-channel 4225 and 4-channel 4425 options, and are supported by a complete range of kits to allow a workshop to earn money from their PicoScope right out of the box.

The previous PicoScopes were already fast enough to capture CAN and FlexRay signals but the new PicoScope 4425 is five times faster, at up to **400 million samples per second** to protect your investment for many years to come.

Intermittent problems have no place to hide thanks to the combination of a **250 million sample memory** and comprehensive triggering functions. The powerful zoom functions allow you to have the best of both worlds: high speed and long capture times.

The 4425 boasts an **input voltage range of  $\pm 200V$**  to handle increasing injector voltages without the need for attenuators. As with all 4000-series PicoScopes, signals are captured in **12-bit resolution**, 16 bits in enhanced mode, with  **$\pm 1\%$  accuracy**.

A major innovation on the 4425 is its **independent floating inputs**; think of it as four separate single-channel oscilloscopes in a box all sharing the same timebase and control. This means that all inputs can be used in differential mode (e.g. CAN-H and CAN-L signals), or across non-grounded components such as 12V injectors or for voltage drop testing using a single input.

The 4425 also introduces a new user convenience function with **ConnectDetect™**. This handy feature detects when you have made a good connection in those difficult-to-reach places, displaying the connection status on your screen and on the front of the unit.

The 2-channel 4225 model has the same memory and performance but, with just 2 channels, offers a lower cost to fit any budget. PicoScope can pay back on just one job by helping to verify that you have diagnosed and fixed the root cause problem first time.

Alan Tong, Managing Director of Pico Technology, explained: "The existing 4423 has been on sale for five years and remains the market leader both in terms of sales and performance. Before starting on the new design we asked thousands of users for ideas and suggestions on how to improve. We were also able to use our close relationship with many of the world's leading vehicle manufacturers to look into the future and the new technology that will be used on vehicles still at the design stage. This has helped us ensure the new 4425 has been future-proofed for many years to come."

# Press Release



To ensure that the 4425 will make the most of recent PC technology improvements, it supports **USB3** for the highest-speed screen updates and waveform saving.

Users of the existing 4423 and the previous 3423 PicoScopes shouldn't worry; as always Pico Technology continues to provide **free software upgrades** to ensure that every PicoScope becomes more powerful long after it has been purchased.

The new 4225 is available from £499 \$823 €604, and the 4425 from £799 \$1318 €967

[Read more on the Pico Website.](#)

[Download the latest PicoScope Automotive software from \[picoauto.com\]\(http://picoauto.com\).](#)

# Press Release



## About Pico Technology



Pico Technology has spent over 20 years leading the industry in the design, development and manufacture of high-performance oscilloscope diagnostic scopes, kits and accessories. The Oscilloscope Diagnostics Kit regularly wins industry awards.

Pico automotive oscilloscopes are used by more than twenty of the world's leading vehicle manufacturers, and in thousands of workshops to save time and money by making it easier and quicker to diagnose faults.

We support a network of distributors in over 60 countries worldwide who are helping to build and maintain our enviable reputation in the industry.

More information on Pico Technology can be found at:

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

To receive regular updates, why not subscribe to our monthly newsletter? Just type your email address in the box on the home page.

***Pico Technology and PicoScope*** are internationally registered trademarks of Pico Technology. ***Pico Technology*** is registered at the U.S. Patents and Trademarks Office.

**Please direct all editorial enquiries to:**

Naomi Charlton  
Pico Technology  
James House  
Colmworth Business Park  
St. Neots  
Cambridgeshire  
PE19 8YP  
United Kingdom

Tel: +44 (0) 1480 396395

Fax: +44 (0) 1480 396296

Email: [naomi.charlton@picoauto.com](mailto:naomi.charlton@picoauto.com)