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PicoScope[®] 4425A: Electric Vehicle Kit



Today Pico Technology launches the new PicoScope 4425A Electric Vehicle (EV) kit. Designed to cover all vehicle types and powertrains, it provides workshops with a future-

proof system that handles vehicles incorporating high-voltage batteries and motor systems.

The importance of Electric Vehicles is clearly evident as part of the drive towards better use of clean and renewable energy and the reduction of harmful emissions and particulates. EV is now discussed so widely, and the investment in increasing EV deployment so great, that every workshop is increasingly aware of the need to handle EVs. Pico is working with our partners and customers to ensure that workshops can be as safe, efficient and effective working with EV as they are with Internal Combustion Engines (ICE).

This PicoScope 4425A kit provides comprehensive diagnostics capability for all types of EV (BEV, MHEV, PHEV, Fuel-cell), and ICE (Diesel, Gasoline, LPG). In combination with the extensive range of Pico accessories, the 4425A covers engines/motors, sensors, actuators, communications buses, Noise Vibration & Harshness, and all basic measurements in an easy-to-use system that includes extensive guidance for technicians. The PicoScope 4425A EV Kit contains all the test equipment required to ensure it is safe to work on an EV, and to investigate any faults that are likely to cause safety issues.

The wide range of EV systems covered includes:

- DC HV energy system or the AC motor/generator drive system
- Charging behaviour and 12V/HV battery current split issues
- CP/PP communications between charging system and vehicle
- 3-phase current measurements to check winding balance under load
- All 12V and 48V systems



Based on the unique PicoBNC+ connection system, the PicoScope 4425A will continue to be enhanced and expanded with ongoing investment by Pico in new technologies to ensure that PicoScope users will always have the ability to satisfy their customers.

Together with PicoScope 7 software, the system delivers ease of use for those less experienced and offers advanced features when needed. Continued benefits include free software updates and the use of large screen displays in workshops, making measurements clearly visible at all times. PicoScope is an investment that pays back quickly and generates profits for your workshop long after initial purchase.

In addition to the new EV capability, the 4425A still offers the benefits so appreciated by technicians: **ConnectDetect™**, **±200 V voltage input range**, **floating input system**, **high sample rate (up to 400 MS/s)**, **high vertical resolution (12-bit to 16-bit enhanced)**, **SuperSpeed USB 3.0 interface**, **20 MHz bandwidth**, **advanced triggers**, **advanced filtering**, **large buffer memory (250 million samples)**, **maths channels**, **measurement and phase rulers**, **Pico waveform library**, **more than 150 guided tests**, and the **amazing free Pico software upgrades**.

PicoScope is used and trusted by more authorised and independent repairers than any other measurement system because it gives them the capability, confidence and support to quickly find and prove the fix for most vehicle faults. PicoScope data can be shared across the network, and the system used for electrical, pressure, hydraulic, NVH (Noise, Vibration & Harshness), offering comprehensive coverage on vehicles of every type: trucks, buses, motorcycles, agricultural and construction equipment, off-highway and industrial systems.

The PicoScope 4425A sets a new standard in diagnostic oscilloscopes for vehicle and equipment technicians, offering unrivalled performance and usability focused on making your diagnostics faster and more accurate than ever before. When you buy a PicoScope you benefit from more than 25 years investment in the world's best diagnostic oscilloscopes. Join us! The PicoScope 4425A/4225A oscilloscopes and kits are available now from our distributors worldwide and directly from www.interworldna.com

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