WPS500X
Pressure Transducer

View, understand and diagnose vehicle pressure systems like never before!

PicoScope®
www.picoauto.com
INJECTOR BACK-LEAKAGE

For low pressure return systems, you can use our WPS500X to evaluate each diesel injector's contribution to back-leakage pressure.

When combined with a current clamp the WPS500X enables you to quickly diagnose issues with irregularities attributed to injector malfunction.

In our example below the current clamp is attached to cylinder 1 injector, enabling you to plot the firing order. You can now see lower contribution from injector two at idle alongside the back-leakage waveform.

LOW FUEL PRESSURE TESTING

With PicoScope and the WPS500X you can:
• Accurately detect and measure pressure changes with ultra-fast 100 µs response time.
• Use the WPS500X’s Zoom function for enhanced resolution.
• Save the results you capture into a folder just like any PC file, and back them up to the free Pico Waveform Library.
• Eliminate dismantling until diagnosis is confirmed.

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- Eliminate dismantling until diagnosis is confirmed.

IN-CYLINDER COMPRESSION

Use the WPS500X to get an unrivaled view of the inner workings of your engine. Connect PicoScope by removing a spark plug and installing the WPS500X Kit.

The high level of detail within the captured compression waveform provides you with the information required to confidently diagnose the cause of compression issues.

You can also test compression on diesel engines using our diesel glow plug adaptor set. Please refer to our software guided test for further information about how to perform these checks.
Kit options

Our range of kits and adaptors gives you the ability to connect the WPS500X to a range of pressure components.

PP939 WPS500X Kit
Kit containing pressure transducer and a range of adaptors primarily focused on testing petrol compression, exhaust back pressure and fuel systems, using Schrader valves.

PQ038
WPS500X Maxi Kit
For a wider range of connectivity the WPS500X Maxi Kit includes all the items in the standard WPS500X Kit, plus fuel taps for breaking into fuel systems, and additional spark plug connectors and adaptors.

TA323 Diesel Glow Plug Adaptor Kit
Add diesel compression testing to your list of available tests with the glow plug adaptor kit. It contains 15 different glow plug adaptors and covers the majority of glow plug styles commonly used in modern diesel engines.

PQ071 Sight block kit
This kit is intended for diagnosing problems with low-pressure fuel systems up to the inlet of any high-pressure pump.

For details of all PicoScope kits please visit www.picoauto.com

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