

SPⁱ

SPI - Wireless Automotive Signal Processor



SPI - Wireless Digital Voltmeter Module

Designed to measure common signals found on modern vehicles



SPⁱ

Connects wirelessly to the SPI handset

Reliable long range connection

Low power indication

Status LED and USB connection

Battery saving auto power off

Auto-ranging voltage

Frequency, duty cycle and pulse width measurements

User updatable via USB

Powered by 2 AA batteries

Measurement probe and lead set included

Advanced measurement features via software update

Current measurement via additional current clamp

Designed, Manufactured & Supported by SP Diagnostics in the UK



SPi

SPI - Wireless Automotive Signal Processor



The SPi Wireless Automotive Signal Processor connects completely wirelessly to the SPi handset and allows you to measure signals and voltages found on automotive systems within a vehicle. Plug in the SPi to the diagnostics connector in the car, select the Wireless Module function on the handset and press the power button on the Wireless Automotive Signal Processor, the Wireless module is automatically detected. Using the probes provided you can hook up the module to a sensor output or actuator input and see in real time what the signal is doing, this can then be compared with the signal that the ECU is reading or providing using the standard SPi diagnostics. This is all done using a wireless connection to the SPi handset (up to 50m range*), so there is no need to keep running backwards and forwards, needing another pair of hands, someone to help, or trailing wires half way around the vehicle, now you can sit in the car and use the diagnostic handset, whilst the Signal Processor is testing signals under the bonnet.

The Wireless Automotive Signal Processor is specially designed and protected to measure, automotive signals such as Voltage, Frequency, Duty Cycle (PWM), High & Low Pulse Widths (PWM), it can also work with a suitable current clamp!

There is no need to connect extra power cables as the wireless module is completely battery powered, and has a low battery indication via the SPi. The wireless module is also user updatable via USB, so when new features come out there is an easy process to upgrade your module.



Specification

| | | |
|--------------------------|---|--------------------------------------|
| Voltage (Auto Ranging): | 0-2V 0-18.8V | 1mV Resolution 4mV Resolution |
| Frequency: | 0.47Hz- 350Hz 245Hz - 20KHz | 0.24Hz Resolution 1Hz Resolution |
| Duty Cycle: | 1-99% | |
| High & Low Pulse Widths: | 0.1ms - 4ms 0.1ms - 2s | 0.1ms Resolution 0.1ms Resolution |
| Current: | Compatible with Various Current Clamps: @ 1mV/Amp / 10mV/Amp / 100mV/Amp (2000A / 200A / 20A Max) | |
| Update Rate: | 5 Hz | |
| Wireless Range: | 50m unobstructed | |
| Maximum Input Voltage: | 40V Continuous, 100V Peak | |

