

Voltage Fluctuation Simulation of Electronic Devices and Sensors for Vehicles

Application

The power supply of automobiles (12 V or 24 V) fluctuates greatly with voltage reduction, superimposed excessive voltage, etc. The USB storage function of the GS610 enables waveform data of voltage fluctuation to be easily acquired and read out. The supply voltage fluctuation in the actual automobile can be reproduced in the laboratory for testing, which eliminates the need to install the device under test in the automobile. In addition, by capturing the supply voltage fluctuation waveform with a digital oscilloscope and storing the waveform data in the GS610 internal memory, the actual supply voltage fluctuation waveform can be easily reproduced.

Solution Features

- Can make programs of voltage reduction, excessive voltage and such
- Waveform data descriptions using multipurpose worksheets
- Program output per max speed of 100 μ sec
- Easy filing operations using built-in USB memory
- Can import and replay actual waveforms

