FOR IMMEDIATE RELEASE
April 20, 2015

Accel Instruments Announces the TS250 Waveform Amplifier - An Instrument for Amplifying Function Generators

IRVINE, California, April 20, 2015 – The TS250 waveform amplifier is a unique instrument ideal for function generator amplifier. It amplifies current or voltage or power for driving heavy loads.

The TS250 is ideal for many test and measurement applications such as LDO and amplifier PSRR test, battery simulator, op-amp CMRR measurement, high current driver for electromagnetic coils, general function generator amplifier, transient response test, four-quadrant power supply, lab power amplifier and more. The TS250 offers eight voltage ranges to choose from ±10V to +65V. Refer to the datasheet for more information. The TS250 output peak current is up to 7A for the low-voltage model. Higher current is possible by connecting two or more TS250 in parallel.

Function Generator Amplifier

The TS250 is ideal as a function generator amplifier for amplifying current. It can drive high current or high power or high voltage loads. It can output up to 7A peak current for the low-voltage model and reduce current for the higher voltage models. As a high current amplifier, it accepts AC or DC voltage input from a function generator to drive a heavy load that requires high current or high voltage. The TS250 features a selectable gain of 0dB or 20dB. The TS250 served as the missing link between function generator and oscilloscope. It is also great for pulse amplifier and laboratory power amplifier.

Battery Simulator

The TS250 can source or sink current in all four quadrants. It is a great tool for simulating a battery being charged or discharged. It has a variable DC output that can easily simulate battery voltage changes. It is ideal for battery charger testing such as those in battery operated portable electronic systems. The TS250 features a current-monitor LCD-display eliminates the need for an external DMM for current monitor.

PSRR/CMRR Measurement

TS250 is ideal for power supply rejection ratio or PSRR measurement. PSRR is commonly tested for LDO regulators, op amps, audio amps, etc. The TS250 is especially powerful for LDO PSRR testing at high load current. Conventional regulator PSRR test techniques such as capacitor or inductor coupled unable to support high LDO load current (e.g. >1A). The TS250 can also test op-amp PSRR and CMRR.

The TS250 is easy to use and intuited. It is designed for general laboratory applications such as function generator amplifier, battery emulator, electromagnet driver, PSRR/CMRR testing, transient response testing, four-quadrant power supply, and piezoelectric driver.

About Accel Instruments
Accel instruments designs, develops, manufactures and markets electronic instruments for the specialized needs of electronics bench testing and research and development. We specialize in power electronic test and measurement such as voltage regulators, battery simulation, waveform amplifier, and more. Additional information about Accel instruments is available at www.accelinstruments.com.

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