

Applied Processor and Measurement, Inc.

Model 805 PWM Driver – Example Peak and Hold Waveform

• Summary

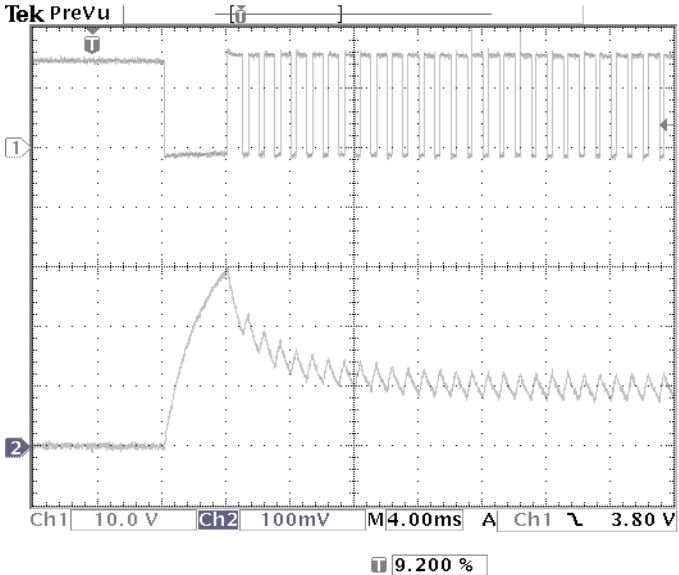
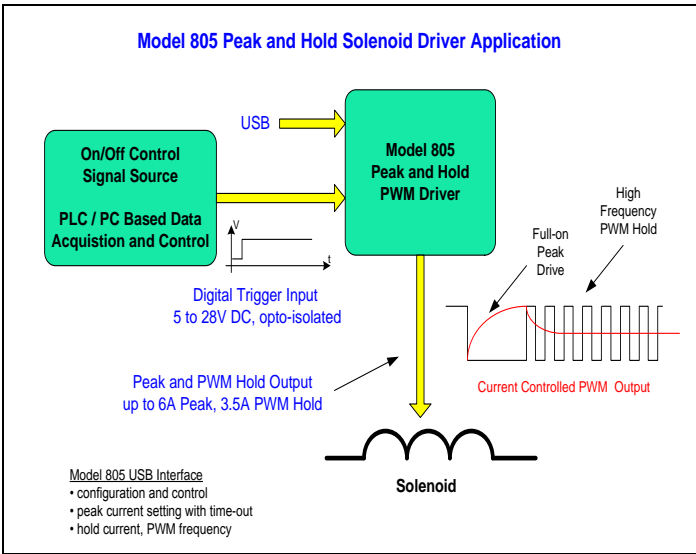
The Model 805 Driver unit is designed to provide a high-power, low-side drive, pulse width modulated output for proportional or peak and hold control of PWM valves and solenoids including injectors. This document presents an oscilloscope trace of an example peak and hold drive sequence.

• Sample Model 805 Controller Waveform Output

The waveform below was obtained using the Model 805 in peak and hold current control mode to drive a automotive clutch solenoid. Electrical parameters and peak and hold current settings are as follows:

- Test Voltage: 14V DC
- Peak Current Setting: 3.0 A
- Hold Current Setting: 1.0 A
- Hold PWM Frequency: 1,000 Hz

Channel 1: PWM output, 10V / div
 Channel 2: current probe on solenoid, 1A / div



• Contact

For additional technical information or quotes on the Model 805, or any APM, Inc. product:

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