

**High accuracy and quality waveform**

**PMC function\*(Factory option)**

Pulse motor control function	SG-507 (SG-4115)
	SG-506 (SG-4105)

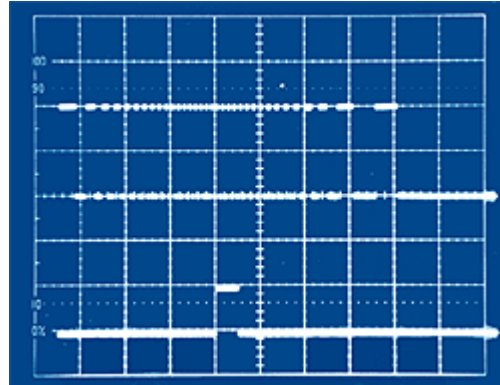
**Pulse motor control function**

PMC option function controls pulse motor. Pulse motor acceleration or braking controls need to be reviewed not only by position control, but also under loaded condition. The PMC option simplifies the evaluation.

Pulse outputs in open collector (50V) are output from rear panel with PMC option.

Common motor driver circuit connected with PMC.

\*PMC (Pulse Motor Control) is coined word by IWATSU TEST INSTRUMENT CORPORATION.



Upper waveform shows drive pulse for pulse motor, lower waveform shows sensor input waveform. After reaching maximum frequency while specified accelerating period, starts braking by sensor input signal. Then stops at specified pulse counts. SG-4115 can CW/CCW repeat control with 2 channel output signals.

**Extended external modulation**

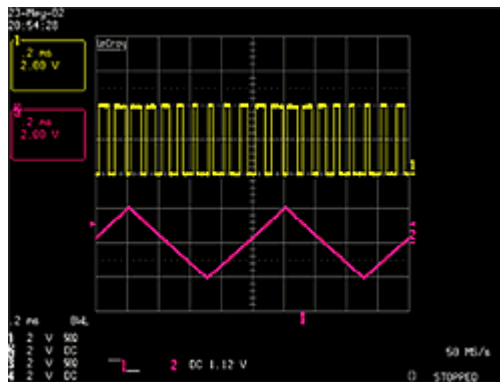
External modulation is available for any kind of modulation. Below shows liquid temperature control system by controlling heater power with PWM.

<Figure 1>

Example of PWM external modulation (Note: These waveforms are for helping to understand PWM, not actual waveform of below example.)

Upper waveform: 20-80% modulated PWM waveform

Lower waveform: External modulation input waveform



<Figure 1>

