Sequence function

GW INSTEK
Simply Reliable

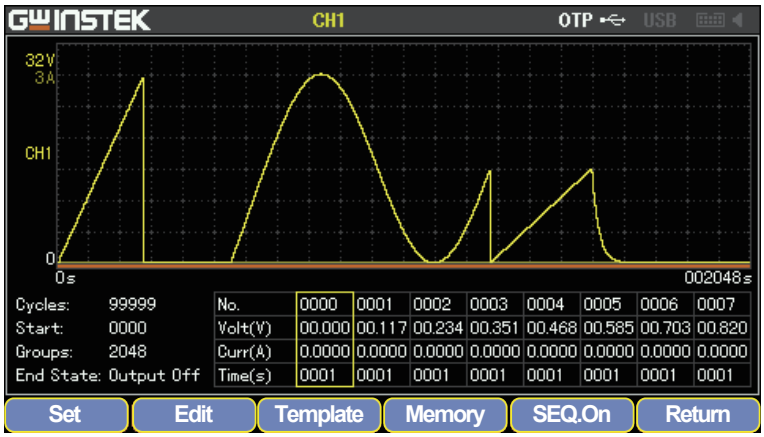
GPP series

Function List

Models	GPP-4323			
	GPP-3323			
	GPP-2323			
	GPP-1326			
Functions	CH1	CH2	CH3	CH4
Sequence Output function	✓	✓		
Load Functions(CC, CV, CR mode)	✓	✓		
Output Delay function	✓	✓		
Output Monitoring Monitor(10 sets)	✓	✓	✓ (GPP-3323 not supported)	✓
Output Recorder Function	✓	✓	✓ (GPP-3323 not supported)	✓
Panel Save/ Recall	✓	✓	✓	✓
Tracking Series, and Tracking Parallel	✓	✓		

Sequence function : CH1, CH2

You can easily to create the Voltage or current value using a built-in template, also set the steps manually.



Waveform Template:
Sine, Pulse, Ramp, Stair Up, Stair Dn, Stair UpDn, Exp Rise, Exp Fall

The setting range for output waveform duration is 1s (duration calculation: Time x Groups x Cycles) and the resolution is 1s.

Cycles: 0 to 9999 or Infinite.
Start: 0 to 2047
Groups: up to 2048 for Start+Groups
End Status : output termination or being hold with the last step
Execution duration of each group. Range: 1s – 300s

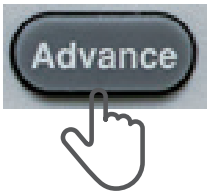
Example

Here, set the sequence waveform using the built-in template.

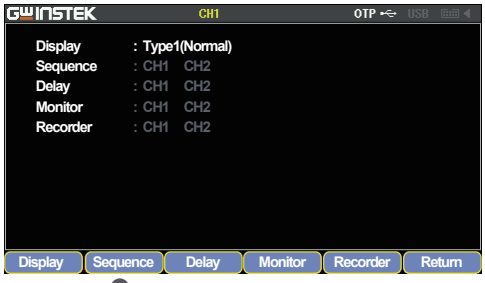
The waveforms created in this example are the following conditions.

Sine wave, Max. Voltage 33 V, Min. Voltage 0 V, Current 0.1A, interval 1 second, end status output OFF

Push Advance key

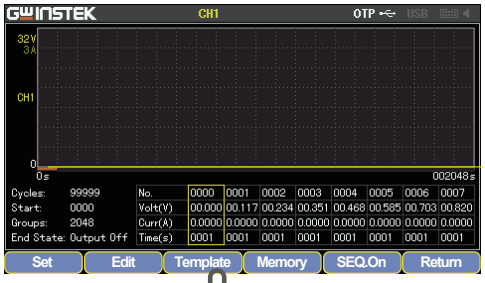


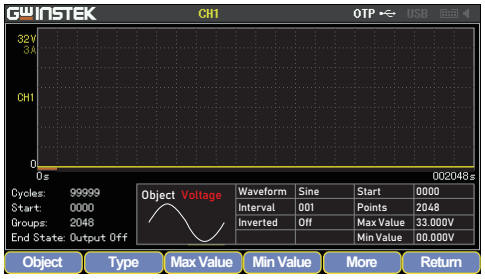
Sequence Push Sequence



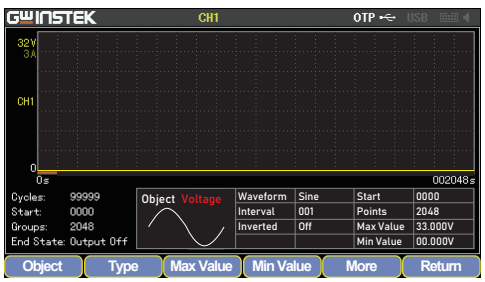
Press the Advance key and select Sequence (F2) from the menu.

Templet Select Template (F3) from the menu.





Object Voltage or Current

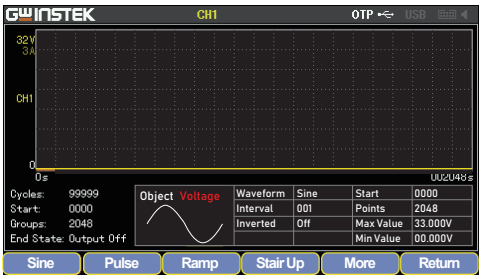


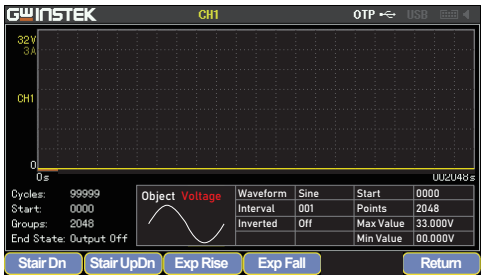
Select voltage or current with Object.

Object Voltage				
	Waveform	Sine	Start	0000
	Interval	001	Points	2048
	Inverted	Off	Max Value	33.000V
			Min Value	00.000V

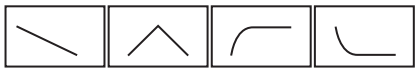
Object Current				
	Waveform	Sine	Start	0000
	Interval	001	Points	2048
	Inverted	Off	Max Value	3.2000A
			Min Value	00.000V

Type Select the type of waveform to create.
There are eight types of built-in waveforms.

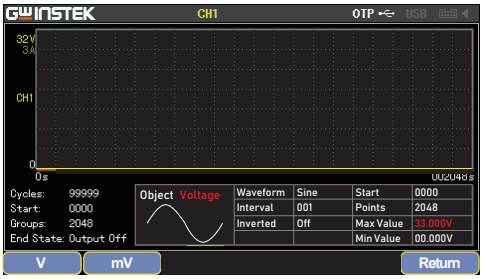




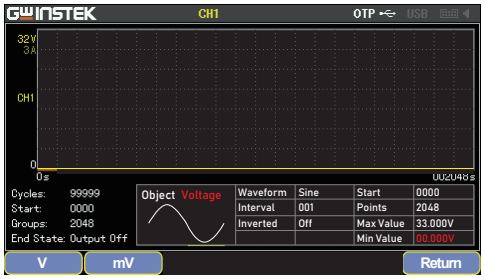
More



Max Value



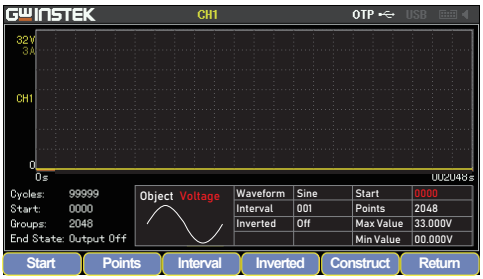
Min Value



Enter the Max/Min value of the waveform and select the unit(V or mV).

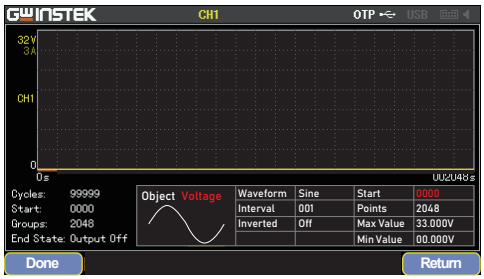
More

Press More (F5) to display the next menu.

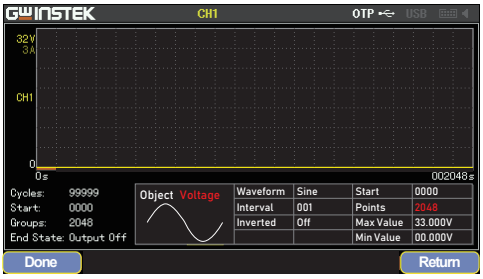


Start

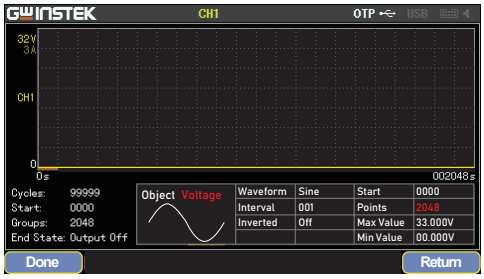
Enter the start position of the waveform to be created.



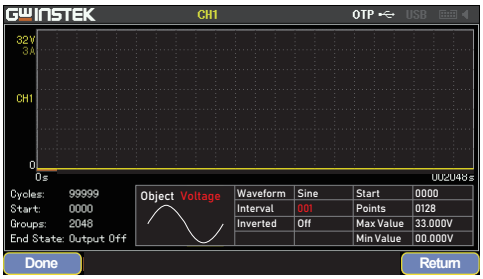
Points Template points range from 10 to 2048.



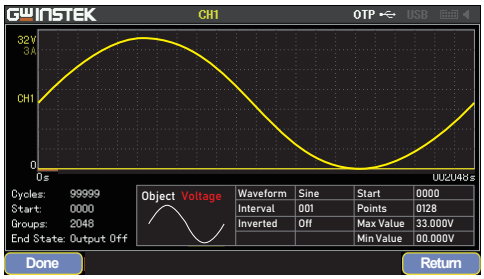
Interval Interval range from 1s to 300s.



Inverted Inverts and creates the selected waveform.



Construct Press Construct' F5) to create a waveform and display it on the screen.

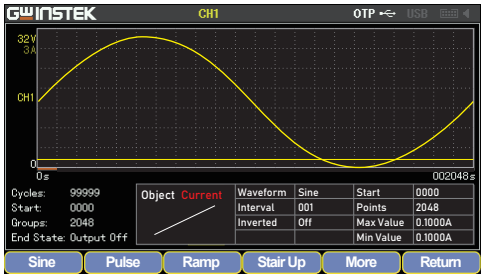


Set the current value of the sequence as well as the voltage.

Object Current

For example, if the current value is constant, it is easy to set as follows.

Select an appropriate waveform (for example, Stair Up) in Template, set Max Value and Min Value to the same value, and create a waveform in Construct.



Max Value

Min Value

same value

Type

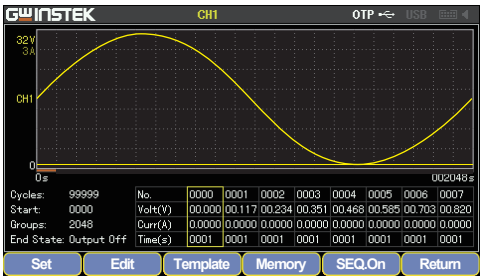
Start

Points

Start and Points are the same as voltage

Output the created sequence

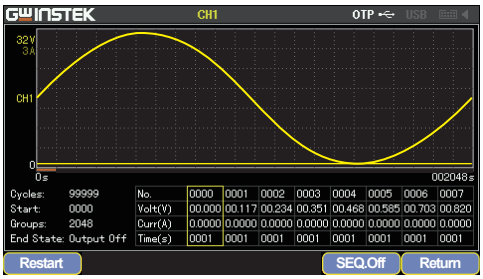
SEQ.On



Press SEQ On (F5) to turn the output On and start the sequence.

The display of the F5 key becomes Seq.Off.

Press Seq.Off (F5) to stop the sequence.



F5 key becomes Seq.Off.

Press Seq.Off (F5) to stop the sequence.

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