

Parameter

N/A

Remarks

N/A

Return Format

N/A

Example

N/A


3.2 :AUToset Commands

The **:AUToset** commands are used to perform waveform auto setting operations.

3.2.1 :AUToset

Syntax**:AUToset****Description**

Enables the waveform auto setting function. The oscilloscope will automatically adjust the vertical scale, horizontal time base, and trigger mode according to the input signal to realize optimal waveform display.

This command functions the same as the front-panel key .

Parameter

N/A

Remarks

- When the AUTO function is disabled, this command is invalid. For details, refer to *:SYSTem:AUToscale*.
- When the pass/fail test is enabled, the AUTO function runs normally, but the pass/fail test function is forced to be disabled.
- When the waveform recording function is enabled, the AUTO function runs normally, but the recording or playing function is forced to be disabled.

Return Format

N/A

Example

N/A

3.2.2 :AUToset:PEAK

Syntax`:AUToset:PEAK <bool>``:AUToset:PEAK?`**Description**

Sets or queries whether the peak-peak priority setting is enabled.

Parameter

Name	Type	Range	Default
<bool>	Bool	{{1 ON}} {0 OFF}}	1 ON

Remarks

This function is intended for the shifted signal. If there is a large deviation, you can view the signal waveform in priority when you enable the function.

Return Format

The query returns 0 or 1.

Example

```
:AUToset:PEAK OFF /*Disables the peak-peak priority setting.*/
:AUToset:PEAK? /*The query returns 0.*/
```

3.2.3 :AUToset:OPENch

Syntax`:AUToset:OPENch <bool>``:AUToset:OPENch?`**Description**

Sets or queries whether to only test the enabled channel when performing the AUTO operation.

Parameter

Name	Type	Range	Default
<bool>	Bool	{{1 ON}}{0 OFF}}	0 OFF

Remarks

- If you select "0|OFF", the system will test the four analog channels (CH1-CH4) in sequence when performing the AUTO operation. If no signal is found on the channel, then the channel is disabled. If a signal is found on the channel, adjust the channel to an optimal scale to show the signal.
- If you select "1|ON", the system will only test the enabled channels when performing the AUTO operation.

Return Format

The query returns 0 or 1.

Example

```
:AUToset:OPENch ON /*Sets to test only the enabled channel(s) for
AUTO operation.*/
:AUToset:OPENch? /*The query returns 1.*/
```

3.2.4 :AUToset:OVERlap

Syntax

```
:AUToset:OVERlap <bool>
```

```
:AUToset:OVERlap?
```

Description

Sets or queries the waveform display mode.

Parameter

Name	Type	Range	Default
<bool>	Bool	{{1 ON}}{0 OFF}}	1 ON

Remarks

- **1|ON:** enables the waveform overlay display. Waveforms of different channels will be displayed in the same position of the screen.

- **0|OFF:** disables the waveform overlay display. Waveforms of different channels will be displayed on the screen from top to bottom in sequence.

Return Format

The query returns 0 or 1.

Example

```
:AUToset:OVERlap OFF /*Disables the waveform overlay display.*/
:AUToset:OVERlap? /*The query returns 0.*/
```

3.2.5 :AUToset:KEEPCoup

Syntax

```
:AUToset:KEEPCoup <bool>
```

```
:AUToset:KEEPCoup?
```

Description

Sets or queries whether to enable keeping coupling.

Parameter

Name	Type	Range	Default
<bool>	Bool	{{1 ON}}{0 OFF}}	0 OFF

Remarks

- **1|ON:** Enables keeping coupling. When enabled, the system performs auto setting operation. The settings for the channel coupling remain unchanged.
- **0|OFF:** Disables keeping coupling. When disabled, the channel is, by default, DC coupled.

Return Format

The query returns 0 or 1.

Example

```
:AUToset:KEEPCoup ON /*Sets to enable keeping coupling.*/
:AUToset:KEEPCoup? /*The query returns 1.*/
```

3.2.6 :AUToset:LOCK

Syntax

```
:AUToset:LOCK <bool>
```

:AUToset:LOCK?

Description

Sets or queries the on/off status of the AUTO function.

Parameter

Name	Type	Range	Default
<bool>	Bool	{{1 ON}}{0 OFF}}	0 OFF

Remarks

- **1|ON:** locks the AUTO key; disables the AUTO function.
- **0|OFF:** unlocks the AUTO key; enables the AUTO function.

You can also send the **:AUToset:ENable** command to enable or disable the AUTO function.

Return Format

The query returns 0 or 1.

Example

```
:AUToset:LOCK ON /*Locks the AUTO key; disables the AUTO
function.*/
:AUToset:LOCK? /*The query returns 1.*/
```

3.2.7 :AUToset:ENable

Syntax

:AUToset:ENable <bool>

:AUToset:ENable?

Description

Sets or queries whether to enable the AUTO function.

Parameter

Name	Type	Range	Default
<bool>	Bool	{{1 ON}}{0 OFF}}	1 ON

Remarks

- **1|ON:** enables the AUTO function. It functions the same as enabling the front-

panel key .