17.9.1 Common trigger settings

TRIGger:MEVents:MODE <Class>

Selects, if you want to trigger on a single event, or on a series of events.

Parameters:

<Class>	SINGle | SEQuence
	*RST: SINGle

Usage:	Asynchronous command
Manual operation:	See "Trigger on" on page 161

TRIGger:EVENt<ev>:TYPE <Type>

Selects the trigger type. In a trigger sequence the trigger type is set for each condition.

Suffix:

<ev>	1 = A-trigger, 2 = B-trigger, 3 = reset event

Parameters:

<Type>	EDGE | GLITch | WIDTh | RUNT | WINDow | TIMeout | INTerval | SLEWrate | ANEDge | SETHold | STATe | PATTern
	ANEDge = analog edge trigger is the only trigger type if the extern trigger source is used.
	For SETHold, also DATatoclock can be used.
	*RST: EDGE

Usage:	Asynchronous command
Manual operation:	See "Type" on page 162

TRIGger:EVENt<ev>:LEVel<n>[:VALue] <Level>

Sets the trigger level for the specified event and source (channel).

If the trigger source is serial bus, the trigger level is set by the thresholds in the protocol configuration.

Suffix:

<ev>	1 = A-trigger, 2 = B-trigger, 3 = reset event
<n>	1 to 8, depending on instrument model. Index of the analog channel.

Parameters:

<Level>	Range:	-10 to 10
	Increment:	0.001
	*RST:	0
	Default unit: V	

Usage:	Asynchronous command

Manual operation:	See "[Level]" on page 45

TRIGger:FINDlevel

Sets the trigger level automatically to *0.5 * (MaxPeak – MinPeak)*.

In a trigger sequence, "Find level" affects all active events of the sequence (A, B, and R event).

Usage:	Event
	Asynchronous command

Manual operation:	See "Find level" on page 163

TRIGger:EVENt<ev>:SOURce <SourceDetailed>

Selects the source of the trigger signal for the selected trigger event. The trigger source works even if it is not displayed in a diagram.

Available sources depend on the trigger sequence setting. If you trigger on a single event, all inputs can be used as trigger source. If you trigger on a sequence, only analog channels can be set as trigger source.

Suffix:

<ev>	1 = A-trigger, 2 = B-trigger, 3 = reset event

Parameters:

<SourceDetailed>	C1	C2	C3	C4	C5	C6	C7	C8	EXTernanalog	LINE	D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	SBUS1	SBUS2	SBUS3	SBUS4

	**C1	C2	C3	C4	C5	C6	C7	C8** Available for single event and all events in a trigger sequence

	**EXTernanalog	LINE	D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	SBUS1	SBUS2	SBUS3	SBUS4** Available for single event (EVENt1)

	*RST: C1

Usage:	Asynchronous command

Manual operation:	See "[Source]" on page 46