

Arbitrary Wave Data Command

DESCRIPTION	Sets and gets arbitrary wave data.
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COMMAND < channel>:WVDT <address>,<parameter>

SYNTAX <channel>:={C1}

<address>:={Mn}(The “n” value is number)

<parameter>: see the table below.

Parameters	Value	Description
WVNM	<wave name>	Wave name.
TYPE	<type>	Wave type value is 1
LENGTH	<length>	Wave length; the value is 32Kb (16K points)
FREQ	<frequency>	Wave frequency.
AMPL	<amplifier>	Wave amplifier.
OFST	<offset>	Wave offset.
PHASE	<phase>	Wave phase. (the value is 0)
WAVEDATA	<wave data>	Wave data.

QUERY SYNTA For the arbitrary wave of SDS1000X+:
WVDT? Mn

EXAMPLE Send wave1 to the M6 address of SDS1000X+.

C1:WVDT M6,WVNM,wave1,TYPE,1,LENGTH,32KB,WAVEDATA,xxxx

Query SDS1000X+ built-in wave command.

WVDT? M2

Return:

[illegible]

Notes:

Parameter/command	SDS1000X+
Mn	(1≤n≤9): M1~M5: build in wave (32KB). M6~M9: can store user defined wave (32KB)