UPV Remote Control Commands V2.0.0.226, 12.12.2006

Differences between firmware version V1.4.0.206 and V2.0.0.226 are printed in red and marked with (new)

Subsys is a replacement for the graphical subsystems SWEep, FFT, WAVeform, BARgraph

List of Remote Control Commands arranged in groups

Group	Command-Mnemonic
Adjust	ADJust:JITTer:AUTO Alias CALibrate:JITTer:AUTO ONCE Query answer is always OFF
Adjust	ADJust:LDG:AUTO Alias CALibrate:LDG:AUTO ONCE Query answer is always OFF
Adjust	ADJust:SECGen:AUTO ONCE Query answer is always OFF
Adjust	ADJust:ZERO:AUTO Alias CALibrate:ZERO:AUTO OFF ON ONCE
Adjust	DIAGnostic:CALibration alias DIAGnostic:ADJustment CLDG alias ALDG CAGEn alias AAGEn CANLr0 alias AANLr0 CDPHase alias ADPHase
Adjust	DIAGnostic:CALibration:ADDRess <n> alias DIAGnostic:ADJustment:ADDRess <n>
Adjust	DIAGnostic:CALibration:FDATa <n> alias DIAGnostic:ADJustment:FDATa <n>
Anl Config	INPut:BANDwidth:MODE B22

	B40 B80 B250
Anl Config	INPut:CHANnel alias SELect CH1 CH2 CH1And2 CH1Is2 CH2Is1 BOTH
Anl Config	INPut:COUPling AC DC
Anl Config	INPut:FILTer OFF UFIL1 … UFIL9 AWE CARM CCIU CCIR CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT URUM WRUM PEMP17 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 (new)
Anl Config	INPut:FORMat SI2S USERdefined
Anl Config	INPut:FSLope LFTFalling LFTRising
Anl Config	INPut:INPut INTern DSUB
Anl Config	INPut:SAMPle:FREQuency:MODE Parameter for Analyzer-Instrument Digital Audio: F32

	F44 F48 F88 F96 F176 F192 VALue AUTO | AUTo INPut:SAMPle:FREQuency:MODe Parameter for Analyzer-Instrument I2S Bord: F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue AUTO | AUTo
Anl Config	INPut:SAMPle:FREQuency <nu>
Anl Config	INPut:WORDlength alias INPut:WRDLength W16 W24 W32
Anl Config	INPut:WRDOffset <n>
Anl Config	INPut[1]:COMMon alias LOW FLOat GROund
Anl Config	INPut[1]:IMPedance R300 R600 R200K
Anl Config	INPut[1]:TYPE Parameter for Analyzer-Instrument Analog BALanced GEN1 GEN2 Parameter for Analyzer-Instrument Digital Audio AESebu SPDif OPTical INTern
Anl Config	INPut2:COMMon alias LOW FLOat

	GROund
Anl Config	INPut2:IMPedance R300 R600 R200K
Anl Config	INPut2:TYPE BALanced GEN1 GEN2
Anl Config	INSTrument2[:SELect] ANLG alias A22 DIG alias D48 I2SBoard alias I2S alias INSTrument2:NSELect 1 | 2 | 3 | 4 1 = Analog 2 or 3 = Dig Audio 4 = I2S Board
Anl Config	SENSe[1]:DIGital:JITTer alias SYNC:REFerence INTClock alias GCLock REFPll alias PLLVari
Anl Config	SENSe[1]:DIGital:MMODe alias FEED ADATa JPHase CINPut
Anl Config	SENSe[1]:POWer:REFerence:RESistance <nu>
Anl Config	SENSe[1]:REFerence:MODE[1] CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
Anl Config	SENSe[1]:REFerence:MODE2 CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
Anl Config	SENSe[1]:REFerence[1] <nu>

Anl Config	SENSe[1]:REFerence2 <nu>
Anl Config	SENSe[1]:VOLTage:RANGe[1]:MODE AUTO FIX LOWER
Anl Config	SENSe[1]:VOLTage:RANGe[1]:VALue <nu> <nu> = 18mV | 30mV | 60mV | 100mV | 180mV | 300mV | 600mV | 1000mV | 1800mV | 3V | 6V | 10V | 18V | 30V | 60V | 100V Queryform: SENSe[1]:VOLTage:RANGe[1]:VALue? The query answer is the related range: 18mV: "<0.0 ... 0.01979V>" 30mV: "<0.0198 ... 0.03299V>" 60mV: "<0.033 ... 0.06599V>" 100mV: "<0.066 ... 0.10999V>" 180mV: "<0.11 ... 0.19799V>" 300mV: "<0.198 ... 0.32999V>" 600mV: "<0.33 ... 0.65999V>" 1000mV: "<0.66 ... 1.09999V>" 1800mV: "<1.1 ... 1.97999V>" 3V: "<1.98 ... 3.29999V>" 6V: "<3.3 ... 6.59999V>" 10V: "<6.6 ... 10.9999V>" 18V: "<11.0 ... 19.7999V>" 30V: "<19.8 ... 32.9999V>" 60V: "<33.0 ... 65.9999V>" 100V: "<66.0 ... 110.0 V>"
Anl Config	SENSe[1]:VOLTage:RANGe2:MODE AUTO FIX LOWER
Anl Config	SENSe[1]:VOLTage:RANGe2:VALue <nu>
Anl Config	SENSe2:DATA1?
Anl Config	SENSe2:DATA2?
Anl Config	SENSe2:FUNCtion OFF IPEAk alias IPEAK PHASetoref DIGinpampl
Anl Config	SENSe2:REFerence <nu>
Anl Config	SENSe2:REFerence:MODE CH1Store CH2Store STORe

	CH1Meas CH2Meas GENTrack DIGoutampl VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.	
Anl Config	SENSe2:UNAuto[1] ON OFF	
Anl Config	SENSe2:UNAuto2 ON OFF	
Anl Config	SENSe2:UNIT[1] BITS DBFS DBM DBR DBU DBUI DBV DEGFRM DPCT DPCTV DPCTW DV DW FS LSBS NS PCTFRM PCTFS PCTPPR PCTUI PCTVVR PPMUI PPR UI UIR UIS V VVR W	
Anl Config	SENSe2:UNIT2 V DBV DBR FS :	
Anl Config	SENSe2:USERunit[1] 'Unitstring'	
Anl Config	SENSe2:USERunit2 'Unitstring'	
Anl Config	SENSe3:DATA1?	

Anl Config	SENSe3:DATA2?
Anl Config	SENSe3:FREQuency:APERture:MODE FAST PRECision
Anl Config	SENSe3:FREQuency:REFerence <nu>
Anl Config	SENSe3:FREQuency:REFerence:MODE CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
Anl Config	SENSe3:FREQuency:UNAuto[1] ON OFF
Anl Config	SENSe3:FREQuency:UNAuto2 ON OFF
Anl Config	SENSe3:FREQuency:UNIT[1] HZ DHZ DPCTHZ TERZ OCT DEC FFR
Anl Config	SENSe3:FREQuency:UNIT2 HZ DHZ DPCTHZ TERZ OCT DEC FFR
Anl Config	SENSe3:FREquency:USERunit[1] 'Unitstring'
Anl Config	SENSe3:FREquency:USERunit2 'Unitstring'
Anl Config	SENSe3:FUNCtion OFF FREQuency FQPHase FQGRoupdelay FQSamplefrequency

	SFRequency
Anl Config	SENSe3:GROupdelay:REFerence <nu> = 0 … 10 s
Anl Config	SENSe3:PHASe:FORMat POSitive POSNegative NEGative RAD RADBipolar RADNegative INFinite
Anl Config	SENSe3:PHASe:REFerence <nu> -360° ...+360° -6.32832 … +6.32832 RAD
Anl Config	SENSe3:PHASe:REFerence:MODE STORe VALue STORe is an action, the internal state is VALue, so the query answer is always VALue.
Anl Config	SENSe3:PHASe:UNAuto ON OFF
Anl Config	SENSe3:PHASe:UNIT DEG RAD DDEG DRAD S DS
Anl Config	SENSe3:PHASe:USERunit 'Unitstring'
Anl Config	SENSe4:DATA?
Anl Config	SENSe5:FUNCtion OFF ON
Anl Config	SENSe6:DATA1?
Anl Config	SENSe6:DATA2?
Anl Config	SENSe6:FUNCtion OFF LRMS DC PEAK

Anl Config	SENSe6:REFerence <nu>
Anl Config	SENSe6:REFerence:MODE CH1Store CH2Store STORe CH1Meas CH2Meas GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
Anl Config	SENSe6:UNAuto[1] ON OFF
Anl Config	SENSe6:UNAuto2 ON OFF
Anl Config	SENSe6:UNIT[1]
Anl Config	SENSe6:UNIT2
Anl Config	SENSe6:USERunit[1] 'Unitstring'
Anl Config	SENSe6:USERunit2 'Unitstring'
Anl Config	SENSe7:FUNCtion OFF ON
Anl Config	SENSe7:INTerpol N1 N2 N4 N8 N16 N32
Anl Config	SENSe7:MMODe STANdard COMPressed
Anl Config	SENSe7:TRIGger:AUTo alias AUTO ON OFF
Anl Config	SENSe7:TRIGger:LEVel <nu>
Anl Config	SENSe7:TRIGger:PRE <nu>
Anl Config	SENSe7:TRIGger:SLOPe RISing

	FALLing
Anl Config (new)	SENSe7:TRIGger:SOURce CH1 CH2 MANual GENBurst
Anl Config	SENSe7:TRIGger:TRCLength <nu>
Anl Config	SENSe7:WAVeform:COMPfact <n>
Anl Funct	MMEMory:LOAD:FREQuency: SLCFrequency 'filename'
Anl Funct	MMEMory:LOAD:IEQualize 'filename'
Anl Funct	Query only SENSe[1]:FUNCtion:RECord:FLENgth?
Anl Funct	Query only SENSe[1]:FUNCtion:FFT:MTIMe?
Anl Funct	Query only SENSe[1]:FUNCtion:FFT: RESolution?
Anl Funct	Query only SENSe[1]:FUNCtion:FFT:STOP?
Anl Funct	Query only SENSe[1]:FUNCtion:FFT:STARt?
Anl Funct	SENSe:BANDwidth <nu>
Anl Funct	SENSe:FREQuency:SQRSin DIMA DIMB
Anl Funct	SENSe[1]:BANDwidth:MODE PPCT1 PPCT3 POCT12 PTOC PFAS PFIX SPCT1 SPCT3 SOCT12 STOC SFAS SFIX
Anl Funct	SENSe[1]:CHANnel:DELay <nu>

Anl Funct	SENSe[1]:DATA1?
Anl Funct	SENSe[1]:DATA2?
Anl Funct	SENSe[1]:FILTer\<i\> OFF UFIL1 UFIL2 UFIL3 UFIL4 UFIL5 UFIL6 UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DEMP17 DEMP5015 DEMP50 DEMP75 DCN IECT JITT URUM WRUM PEMP17 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 (new) \<i\> = 1, 2 or 3
Anl Funct	SENSe[1]:FREQuency \<nu\>
Anl Funct	SENSe[1]:FREQuency:FACTor \<nu\>
Anl Funct	SENSe[1]:FREQuency:LIMit:LOWer \<nu\>
Anl Funct	SENSe[1]:FREQuency:LIMit:UPPer \<nu\>
Anl Funct	SENSe[1]:FREQuency:SELect CW | FIXed MULTisine GENTrack CH1F CH2F AUToboth alias AUToboth

Anl Funct	SENSe[1]:FREQuency:STARt <nu>
Anl Funct	SENSe[1]:FREQuency:STOP <nu>
Anl Funct	SENSe[1]:FUNCtion OFF RMS RMSSelect PEAK QPEak SN DC THD THDNsndr MDISt DFD DIM now available for digital instruments too WAF POLarity FFT FILTersim COHerence RUBBuzz PROTocol THIRdoct NOCTave RECord
Anl Funct	SENSe[1]:FUNCtion:APERture:MODE AFASt AUTO TRIGgered GENTrack VALue FAST SFASt SLOW WIDE MEDium NARRow
Anl Funct	SENSe[1]:FUNCtion:BARGraph ON OFF
Anl Funct	SENSe[1]:FUNCtion:DCSuppression ON OFF
Anl Funct	SENSe[1]:FUNCtion:DISTortion<i> ON OFF <i> = 2 … 9 describes harmonics
Anl Funct	SENSe[1]:FUNCtion:DMODe FAST PRECision

Note: The "(new)" label in red appears in the first column beside the DIM row.

Anl Funct	SENSe[1]:FUNCtion:FFT:AVERage \<n> \<n> = 2…256
Anl Funct	SENSe[1]:FUNCtion:FFT:AVERage:MODE OFF NORMal EXPonential
Anl Funct	SENSe[1]:FUNCtion:FFT:CENTer \<nu>
Anl Funct	SENSe[1]:FUNCtion:FFT:Size S512 S1K S2K S4K S8K S16K S32K S64K S128K S256K
Anl Funct	SENSe[1]:FUNCtion:FFT:STATe ON OFF
Anl Funct	SENSe[1]:FUNCtion:FFT:WINDow RECTangular HANNing BLACkman_harris RIF1 RIF2 RIF3 HAMMing FLATtop
Anl Funct	SENSe[1]:FUNCtion:FFT:ZOOM \<n> \<n> = 1…128
Anl Funct	SENSe[1]:FUNCtion:MMODe **Peak** PPEak NPEak PTOPeak PABSolut **SN** RMS QPEak PPEak NPEak PTOPeak PABSolut **THD** SELectdi

	LSELectdi DALL LDALI DODD LDODd DEVen LDEVen **THD+N** THDN LTHDn SNDRatio NOISe LNOise **DFD** D2_268 alias D2 D3_268 alias D3 D2_118 D3_118 **NOCTave** OCT1 OCT3 OCT6 OCT12 OCT24
Anl Funct	SENSe[1]:FUNCtion:RECord:FILe alias FILE 'filename'
Anl Funct	SENSe[1]:FUNCtion:RECord:LENGth <nu> <nu> in s
Anl Funct	SENSe[1]:FUNCtion:RECord:TRIGger:LEVel <nu>
Anl Funct	SENSe[1]:FUNCtion:RECord:TRIGger:PRE <nu> <nu> in s
Anl Funct	SENSe[1]:FUNCtion:RECord:TRIGger:SLOPe RISing FALLing
Anl Funct	SENSe[1]:FUNCtion:RECord:TRIGger:SOURce CH1 CH2 MANual
Anl Funct	SENSe[1]:NOTCh DB0 DB12 DB30 OFF
Anl Funct	SENSe[1]:NOTCh:FREQuency <nu>

Anl Funct	SENSe[1]:NOTCh:FREQuency:MODE VALue GENTrack
Anl Funct	SENSe[1]:SWEep:CONTrol OFF ASWeep ALISt MSWeep MLISt
Anl Funct	SENSe[1]:SWEep:POINts <n>
Anl Funct	SENSe[1]:SWEep:SPACing LINSteps LOGSteps LINPoints LOGPoints
Anl Funct	SENSe[1]:SWEep:STEP <nu>
Anl Funct	SENSe[1]:THDN:REJection NARRow WIDE
Anl Funct	SENSe[1]:UNAuto[1] ON OFF
Anl Funct	SENSe[1]:UNAuto2 ON OFF
Anl Funct	SENSe[1]:UNIT[1] V DBV :
Anl Funct	SENSe[1]:UNIT2 V DBV :
Anl Funct	SENSe[1]:USERunit[1] 'Unitstring'
Anl Funct	SENSe[1]:USERunit2 'Unitstring'
Anl Funct	SENSe[1]:VOLTage:APERture <nu>
Anl Funct	SENSe[1]:VOLTage:EQUalize ON OFF
Anl Funct	SENSe[1]:VOLTage:FUNDamental <nu>
Anl Funct	SENSe[1]:VOLTage:FUNDamental:MODE

	AUTO VALue GENTrack	
Anl Funct	SENSe[1]:VOLTage:INTVtime <nu>	
Anl Funct	SENSe[1]:VOLTage:INTVtime:MODE SFASt FAST SLOW FIXed VALue	
Anl Proto	Query only SENSe8:PROTocol:CH<x>:BYTE<y>? <x> and <y> are suffixes <x> = Channel 1 or 2 <y> = Byte 0 … 4 Return value = 0 … 255	
Anl Proto	SENSe8:FUNCtion OFF ON	
Anl Proto	SENSe8:PROTocol:DISPlay ON OFF	
Anl Proto	SENSe8:PROTocol:HIGHlight NOTHing FOUTput BETWeen FSTart	
Anl Proto	SENSe8:PROTocol:MODE AUTomatic | AUTOmatic CONSumer PROFessional	
Anl Proto	SENSe8:PROTocol:PERSistence SHORt LONG FORever	
Anl Proto (new)	SENSe8:PROTocol:ERRor? Query only Answer: 0,"No error" or <n>,"PCM1,PCM2,PAR1,PAR2,…" <n> represents 10 Bits (d0 … d9) <n> = 0 … 1023	

	d0: PCM1 d1: PCM2 d2: PAR1 d3: PAR2 d4: LOC1 d5: LOC2 d6: CRC1 d7: CRC2 d8: INV1 d9: INV2
Anl Proto	SENSe8:PROTocol:VIEW BINText BINonly
Aud Mon	AUXiliaries:AUDMonitor ON OFF
Aud Mon	AUXiliaries:PHONe ON OFF
Aud Mon	AUXiliaries:PHPermanent ON OFF
Aud Mon	AUXiliaries:SPEaker ON OFF
Aud Mon	AUXiliaries:SPEaker:CHANnel STEReo CH1 CH2
Aud Mon	AUXiliaries:SPEaker:SOURce INPut MONitor FUNCtion GENerator
Aud Mon	AUXiliaries:SPEaker:VOLume <n> <n> = 0 … -120
Aux	AUXiliaries:AAUXout DC AUDM1 alias GENerator
Aux	AUXiliaries:DCValue <nu> <nu> = -2,5 … 2,5 V
Config	SYSTem:COMMunicate:GPIB:ADDRess <n>

	`<n> = 0 … 31`

Config
 	
(new)
	`SYSTem:DISPlay:SCPIUpdate`
	alias
	`SYSTem:DISPlay:SCPiupdate`
	`OFF`
	`ON`

Config	`SYSTem:QLONg`
	`OFF`
	`ON`

Diagnostic	`DIAGnostic:PASSword "Password"` The password is not disclosed here! The query answer is 'Passwrd ok', not the actual password.

Display	`DISPlay:Subsys<i>:X:UNIT`
	`HZ`
	`DHZ`
	  :

Display	`DISPlay:Subsys<i>:X:UNIT:AUTo alias AUTO`
	`ON`
	`OFF`

Display	`DISPlay:Subsys<i>:X:UNIT:USER 'string'`
Display	`DISPlay:Subsys<i>:X:REFerence:VALue <nu>`

Display	`DISPlay:Subsys<i>:OCURsor:STATe`
	`OFF`
	`ACTive`
	`INACtive`

Display	`DISPlay:Subsys<i>:XCURsor:STATe`
	`OFF`
	`ACTive`
	`INACtive`

Display	`DISPlay:Subsys<i>:OCURsor:MODE`
	`VA`
	`VB`
	`VAB`
	`HA`
	`HB`

Display	`DISPlay:Subsys<i>:XCURsor:MODE`
	`VA`
	`VB`
	`VAB`
	`HA`
	`HB`

Display	DISPlay:*Subsys*<i>:OCURsor:SETTo:XPOS <nu>
Display	Query only DISPlay:*Subsys*<i>:OCURsor:Y?
Display	Query only DISPlay:*Subsys*<i>:XCURsor:Y?
Display	DISPlay:*Subsys*<i>:XCURsor:SETTo:XPOS <nu>
Display	DISPlay:*Subsys*<i>:OCURsor:SETTo:MAX ONCE alias EXEC DISPlay:*Subsys*<i>:XCURsor:SETTo:MAX ONCE alias EXEC ONCE or EXEC are not necessary No Query
Display	DISPlay:*Subsys*<i>:OCURsor:SETTo:MIN ONCE alias EXEC DISPlay:*Subsys*<i>:XCURsor:SETTo:MIN ONCE alias EXEC ONCE or EXEC are not necessary No Query
Display	DISPlay:*Subsys*<i>:OCURsor:SETTo:MRKA ONCE alias EXEC DISPlay:*Subsys*<i>:XCURsor:SETTo:MRKA ONCE alias EXEC ONCE or EXEC are not necessary No Query
Display	DISPlay:*Subsys*<i>:OCURsor:SETTo:MRKB ONCE alias EXEC DISPlay:*Subsys*<i>:XCURsor:SETTo:MRKB ONCE alias EXEC ONCE or EXEC are not necessary No Query
Display	DISPlay:*Subsys*<i>:OCURsor:SETTo:YPOS <nu> Horizontal cursor only
Display	DISPlay:*Subsys*<i>:XCURsor:SETTO:YPOS <nu> Horizontal cursor only
Display	DISPlay:*Subsys*<i>:OCURsor:POSMode PIXel POINt

	PEAK HARMonic	
Display	DISPlay:*Subsys*<i>:XCURsor:POSMode PIXel POINt PEAK HARMonic	
Display	DISPlay:*Subsys*<i>:A|B:MARKer:MODE OFF FIXed TRKMax	
Display	DISPlay:*Subsys*<i>:A|B:MARKer:HARMonics ON OFF	
Display	DISPlay:*Subsys*<i>:A|B:MARKer:SETTo:OCURsor ONCE alias EXEC DISPlay:*Subsys*<i>:A|B:MARKer:SETTo:XCURsor ONCE alias EXEC ONCE or EXEC are not necessary No Query	
Display	DISPlay:*Subsys*<i>:A|B:MARKer:SETTo:XPOS <nu>	
Display	DISPlay:*Subsys*<i>:A|B:UPDate ALIVE HOLD	
Display	DISPlay:*Subsys*<i>:A|B:REFerence MEASpanel VALue MAXimum XCURsor OCURsor REF997 REF1000 CH1Meas CH2Meas GENTrack FILE HOLD	
Display	DISPlay:*Subsys*<i>:A|B:REFerence:FILE 'filename'	
Display	DISPlay:*Subsys*<i>:A|B:REFerence:VALue <nu>	
Display (new)	DISPlay:*Subsys*<i>:A|B:NORMalize OFF VALue OCURsor XCURsor	

	All subsystems except WAVeform
Display (new)	DISPlay:*Subsys*<i>:A|B:NORMalize:VALue <nu> All subsystems except WAVeform
Display	DISPlay:*Subsys*<i>:A|B:UNIT V DBV DBU :
Display	DISPlay:*Subsys*<i>:A|B:UNIT:AUTo alias AUTO ON OFF
Display	DISPlay:*Subsys*<i>:A|B:UNIT:TRACk ON OFF
Display	DISPlay:*Subsys*<i>:A|B:UNIT:USER 'string'
Display (new)	DISPlay:*Subsys*<i>:A|B:YSOurce **BARgraph:** OFF FUNC1 FUNC2 FILEA FILEB **FFT:** OFF FFTL1 FFTL2 FFTP1 FFTP2 FILEA FILEB FFTP21 (for FFT-Phase Ch2 – Ch1) **MONitor:** OFF LEV1 LEV2 PHAS1 PHAS2 FILEA FILEB **SWEep:** OFF FUNC1 FUNC2 FREQ1 FREQ2 PHASe GROupdelay LMRM1 LMRM2

	LMDC1 LMDC2 LMPK1 LMPK2 INPP1 INPP2 FILEA FILEB **WAVeform:** OFF LEV1 LEV2 FILEA FILEB	
Display	DISPlay:*Subsys*<i>:A|B:YSOurce:FILE 'filename'	
Display	DISPlay:*Subsys*<i>:SCANoffset <n> <i> = 1, 2 <n> = 2 | MAX, 1 | MIN, 0 Query and command logging show the numerical value 2 for MAX and 1 for MIN	
Display	DISPlay:*Subsys*<i>:DLISt:FILTer ALL LIMUpper LIMLower LIMBoth HARMonics PEAKs *Subsys* = SWEep BARgraph FFT WAVeform MONitor	
Display	DISPlay:*Subsys*<i>:A|B:LIMShift ON OFF	
Display	DISPlay:*Subsys*<i>:A|B:LIMShift:PARallel <nu>	
Display	DISPlay:*Subsys*<i>:A|B:LIMShift:SYMMetrical <nu>	
Display	DISPlay:*Subsys*<i>:A|B:LIMUpper ON OFF	
Display	DISPlay:*Subsys*<i>:A|B:LIMUpper:SOURce VALue HOLD FILE IFILe	

Display	DISPlay:*Subsys*<i>:A|B:LIMUpper:SOURce:VALue <nu>
Display	DISPlay:*Subsys*<i>:A|B:LIMUpper:SOURce:FILE 'filename'
Display	DISPlay:*Subsys*<i>:A|B:LIMLower ON OFF
Display	DISPlay:*Subsys*<i>:A|B:LIMLower:SOURce VALue HOLD FILE IFILe
Display	DISPlay:*Subsys*<i>:A|B:LIMLower:SOURce:VALue <nu>
Display	DISPlay:*Subsys*<i>:A|B:LIMLower:SOURce:FILE 'filename'
Display	DISPlay:*Subsys*<i>:TRACk:REFerence ON OFF
Display	DISPlay:*Subsys*<i>:TRACk:SCALing ON OFF
Display	DISPlay:*Subsys*<i>:TRACk:LIMit ON OFF
Display	DISPlay:*Subsys*<i>:A|B:TOP <nu>
Display	DISPlay:*Subsys*<i>:A|B:BOTTom <nu>
Display	DISPlay:*Subsys*<i>:X:LEFT <nu>
Display	DISPlay:*Subsys*<i>:X:RIGHt <nu>
Display	DISPlay:*Subsys*<i>:A|B:SPACing <nu>
Display	DISPlay:*Subsys*<i>:X:SPACing <nu>
Display	DISPlay:*Subsys*<i>:X:SCALing AUTo alias AUTO MANual
Display	MMEMory:*Subsys*<i>:LIMit:OFFSet:VALue <nu>
Display	DISPlay:*Subsys*<i>:X:SOUrce SWEep HOLD MANual LRMS

	LDC LPEak FREQuency
Display	DISPlay:*Subsys*<i>:X:AXIS TIME VOLTage FREQuency PHASe VDIGital JPKamplitude
Filter	Query only! SENSe[1]:UFILter<i>:STOPb:LOWer? <i> = 1 … 9
Filter	Query only! SENSe[1]:UFILter<i>:STOPb:UPPer? <i> = 1 … 9
Filter	Query only! SENSe[1]:UFILter<i>:STOPb? <i> = 1 … 9
Filter	SENSe:UFILter<i>:ORDer N4 N8 <i> = 1 … 9
Filter	SENSe[1]:UFILter<i> HPASs LPASs BPASs BSTop BSTOp NOTCh TOCTave OCTave FILE <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:ATTenuation <nu> <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:CENTer <nu> <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:DELay <nu> <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:FNAMe 'filename' <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:PASSb <nu> <i> = 1 … 9

Filter	SENSe[1]:UFILter<i>:PASSb:LOWer <nu> <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:PASSb:UPPer <nu> <i> = 1 … 9
Filter	SENSe[1]:UFILter<i>:WIDTh <nu> <i> = 1 … 9
Gen Config	OUTPut:SAMPle:MODE Parameter for Generator-Instrument Digital Audio: F32 F44 F48 F88 F96 F176 F192 SYNChron VALue Parameter for Generator-Instrument I2S Board: F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue
Gen Config	SOURce:DIGital:SYNC:TO alias SOURce Parameter for Generator-Instrument Digital Audio: INTClock alias GCLock AINPut AUXinput alias RINPut SINPut SINVinput Parameter for Generator-Instrument I2S Board: INTern EXTMasterclock EXTWordclock
Gen Config	INSTrument[1][:SELect] ANLG alias A25 DIG alias D48 I2SBoard alias I2S IMPairment alias

	INSTrument[1]:NSELect 1 | 2 | 3 | 4 | 5 1 = ANLG 2 or 3 = DIG 4 = I2SBoard 5 = IMPairment
Gen Config	SOURce:IMPairment ON OFF
Gen Config	OUTPut:AUDiobits \<n\>
Gen Config	OUTPut:BANDwidth:MODE B22 B40 B80 AUTo alias AUTO
Gen Config	OUTput:CHANnel alias OUTput:SELect OFF CH1 CH2 CH2Is1 CH2Phase180
Gen Config	OUTPut:DIGital:AUXiliary:OUTput alias OUTPut:DIGital:AUXiliary:FEED alias OUTPut:DIGital:REFerence:OUTput alias OUTPut:DIGital:REFerence:FEED AOUTput AINPut AINReclock RGENerator AUXin
Gen Config	OUTPut:DIGital:CSIMulator OFF SIMLong
Gen Config	OUTPut:DIGital:INTClockfreq \<nu\>
Gen Config	OUTPut:DIGital:SYNC:OUTput alias OUTPut:DIGital:SYNC:FEED ADOutput ADINput AXINput GSYPll JRFPll AXOutput SYINput INTClock
Gen Config	OUTPut:DIGital:SYNC:TYPE WCLock BCLock

Gen Config	OUTPut:DIGital:UNBalanced:OUTPut alias OUTPut:DIGital:UNBalanced:FEED AOUTput AINPut
Gen Config	OUTPut:FORMat SI2S USERdefined
Gen Config	OUTPut:FSHape SQUpuls BITPulse
Gen Config	OUTPut:IMPedance R10 R200 R600
Gen Config	OUTPut:LOW FLOat GROund
Gen Config	OUTPut:MCLKratio M96 M128 M192 M256 M384 M512
Gen Config	OUTPut:POLarity Parameter sind abhängig von der Einstellung OUTP:FPU Parameter for the setting OUTP:FPU SQU: OUTPut:POLarity LFTLow LFTHigh Parameter for the setting OUTP:FPU BITP: OUTPut:POLarity NEGative POSitive
Gen Config	OUTPut:SAMPle:FREQuency <nu>
Gen Config	OUTPut:SIGNal:BALanced:LEVel <nu>
Gen Config	OUTPut:SIGNal:LEVel <nu>
Gen Config	OUTPut:TYPE BALanced UNBalanced CTESt
Gen Config	OUTPut:WORDlength alias

	OUTPut:WRDLength W16 W24 W32

Gen Config	OUTPut:WRDOffset \<n>
	
	If (OUTPut:WRDLength == 16)
	\<n> = -16 … 15
	If (OUTPut:WRDLength == 24)
	\<n> = -24 … 23
	If (OUTPut:WRDLength == 32)
	\<n> = -32 … 31

Gen Config	SOURce:DIGital:FRAMephase \<nu>
Gen Config	SOURce:DIGital:PHASetorefvar OFF VALue
Gen Config	SOURce:DIGital:REFerence AZERo AONE
Gen Config	SOURce:DIGital:SRCMode alias FEED ADATa JITTer COMMon
Gen Config	SOURce:FREQuency:REFerence \<nu>
Gen Config	SOURce:VOLTage:MAXimum alias LIMit \<nu>
Gen Config	SOURce:VOLTage:RANGe AUTO FIX
Gen Config	SOURce:VOLTage:REFerence \<nu>
Gen Funct	SOURce:LOOP:CHANnel OFF CH1 CH2 STEReo CROSsed
Gen Funct	SOURce:LOOP:GAIN \<nu> \<nu> in MLT | DB
Gen Funct	for Multisinus: SOURce:FUNCtion:MODE EQUalvoltage DEFinedvoltage for DFD:

	SOURce:FUNCtion:MODE IEC268 IEC118 for Modulation: SOURce:FUNCtion:MODE AM FM
Gen Funct	MMEMory:LOAD:ARBitrary 'filename'
Gen Funct	MMEMory:LOAD:DWELl 'filename'
Gen Funct	MMEMory:LOAD:FREQuency 'file'
Gen Funct	MMEMory:LOAD:INTerval 'filename'
Gen Funct	MMEMory:LOAD:OEQualize 'filename'
Gen Funct	MMEMory:LOAD:ONTime 'filename'
Gen Funct	MMEMory:LOAD:PHASe 'filename'
Gen Funct	MMEMory:LOAD:VOLTage 'filename'
Gen Funct	SOURce:BANDwidth F30 F100
Gen Funct (new)	SOURce:DIM DIMA DIMB DIMS (for Square/Sine 2.96/8kHz)
Gen Funct	SOURce:FILTer OFF UFIL1 UFIL2 UFIL3 UFIL4 UFIL5 UFIL6 UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75

	IECT JITT URUM WRUM PEMP17 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17　　　　　(new)
Gen Funct	SOURce:AM:MODE OFF SINusoid BURSt
Gen Funct	SOURce:FREQuency:AM <nu>
Gen Funct	SOURce:FREQuency:CH2Stereo <nu>
Gen Funct	SOURce:FREQuency:DIFFerence <nu>
Gen Funct	SOURce:FREQuency:MEAN <nu>
Gen Funct	SOURce:FREQuency:SELect FQPH FQFQ
Gen Funct	SOURce:FREQuency[1] [:CW|FIXed] <nu>
Gen Funct	SOURce:FREQuency<i>[:CW|FIXed] <nu> <i> = 3 … 32
Gen Funct	SOURce:FREQuency2[:CW|FIXed] <nu>
Gen Funct	SOURce:FUNCtion[:SHAPe] SINusoid STEReo MULTisine BURSt S2Pulse MDISt DFD DIM RANDom ARBitrary POLarity MODulation alias FM DC PLAY PLYAnlr alias O131

Gen Funct	SOURce:INTerval <nu>
Gen Funct	SOURce:LOWDistortion ON OFF
Gen Funct	SOURce:MULTisine:COUNt <n>
Gen Funct	SOURce:ONTime <nu>
Gen Funct	SOURce:ONTime:DELay <nu>
Gen Funct	SOURce:PHASe[<i>] <i> = 1 ... 32 <nu> = 0 ... 360 °
Gen Funct	SOURce:PLAY:CHANnel MLEFt MRIGht STEReo
Gen Funct	SOURce:PLAY:MODE TOCont TOSingle TICont TISingle
Gen Funct	SOURce:PLAY:SCALepktofs ON OFF
Gen Funct	SOURce:PLAY:TIME <nu>
Gen Funct	SOURce:RANDom:DOMain FREQuency TIME
Gen Funct	SOURce:RANDom:FREQuency:LOWer <nu>
Gen Funct	SOURce:RANDom:FREQuency:UPPer <nu>
Gen Funct	SOURce:RANDom:PDF GAUSsian TRIangle RECTangle
Gen Funct	SOURce:RANDom:SHAPe WHITe PINK TOCTave ARBitrary
Gen Funct	SOURce:RANDom:SPACing:FREQuency <nu>

Gen Funct	SOURce:RANDom:SPACing:MODE ATRack USERdefined
Gen Funct	SOURce:SINusoid:DITHer <nu>
Gen Funct	SOURce:SINusoid:DITHer:STATe ON OFF
Gen Funct	SOURce:SWEep:CONTrol OFF ASWeep ALISt MSWeep MLISt
Gen Funct	SOURce:SWEep:DWELl <nu> <nu> = 10 ms ... 1000 s
Gen Funct	SOURce:SWEep:FREQuency: SPACing LINSteps LOGSteps LINPoints LOGPoints
Gen Funct	SOURce:SWEep:FREQuency:POINts <n>
Gen Funct	SOURce:SWEep:FREQuency:STARt <nu>
Gen Funct	SOURce:SWEep:FREQuency:STEP <nu>
Gen Funct	SOURce:SWEep:FREQuency:STOP <nu>
Gen Funct	SOURce:SWEep:INTerval: SPACing LINSteps LOGSteps LINPoints LOGPoints
Gen Funct	SOURce:SWEep:INTerval:POINts <n>
Gen Funct	SOURce:SWEep:INTerval:STARt <nu>
Gen Funct	SOURce:SWEep:INTerval:STEP <nu>
Gen Funct	SOURce:SWEep:INTerval:STOP <nu>
Gen Funct	SOURce:SWEep:NEXTstep DWELl ASYNc LIST
Gen Funct	SOURce:SWEep:ONTime: SPACing

	LINSteps LOGSteps LINPoints LOGPoints
Gen Funct	SOURce:SWEep:ONTime:POINts \<n\>
Gen Funct	SOURce:SWEep:ONTime:STARt \<nu\>
Gen Funct	SOURce:SWEep:ONTime:STEP \<nu\>
Gen Funct	SOURce:SWEep:ONTime:STOP \<nu\>
Gen Funct	SOURce:SWEep:PHASe: SPACing LINSteps LOGSteps LINPoints LOGPoints
Gen Funct	SOURce:SWEep:PHASe:POINts \<n\>
Gen Funct	SOURce:SWEep:PHASe:STEP \<nu\>
Gen Funct	SOURce:SWEep:PHASe:STOP \<nu\>
Gen Funct	SOURce:SWEep:PHASe:STOP \<nu\>
Gen Funct	SOURce:SWEep:VOLTage: SPACing LINSteps LOGSteps LINPoints LOGPoints
Gen Funct	SOURce:SWEep:VOLTage:POINts \<n\>
Gen Funct	SOURce:SWEep:VOLTage:STARt \<nu\>
Gen Funct	SOURce:SWEep:VOLTage:STEP \<nu\>
Gen Funct	SOURce:SWEep:VOLTage:STOP \<nu\>
Gen Funct	SOURce:SWEep:XAXis FREQuency VOLTage ONTIme INTervall
Gen Funct	SOURce:SWEep:ZAXis OFF FREQuency VOLTage ONTIme INTervall

Gen Funct	SOURce:VOLTage:AM <nu> <nu> in PCT (%)
Gen Funct	SOURce:VOLTage:CH2Stereo <nu>
Gen Funct	SOURce:VOLTage:CREStfactor <nu>
Gen Funct	SOURce:VOLTage:CREStfactor:MODE MINimized DPHase VALue
Gen Funct	SOURce:VOLTage:EQUalize:STATe ON OFF
Gen Funct	SOURce:VOLTage:LOWLevel <nu>
Gen Funct	SOURce:VOLTage:OFFSet <nu>
Gen Funct	SOURce:VOLTage:OFFSet:STATe ON OFF
Gen Funct	SOURce:VOLTage:RATio <n>
Gen Funct	SOURce:VOLTage:RMS <nu>
Gen Funct	SOURce:VOLTage:SELect VLRT VLVL
Gen Funct	SOURce:VOLTage:TOTal <nu>
Gen Funct	SOURce:VOLTage:TOTal:GAIN <nu> <nu> in dB
Gen Funct	SOURce:VOLTage[1] <nu> Basic unit V or FS with Modulation %
Gen Funct	SOURce:VOLTage<i> <nu> <i> = 3 … 32 Basic unit V or FS with Modulation %
Gen Funct	SOURce:VOLTage2 <nu> Basic unit V or FS with Modulation %

Gen Proto	SOURce:PROTocol:AZERo ONCE Query answer is always OFF
Gen Proto	SOURce:PROTocol:CH<x>:BYTE<y> <n> <x> and <y> are suffixes <x> = CHannel 1 or 2 <y> = Byte 0 … 3 <n> = Value 0 … 255
Gen Proto	SOURce:PROTocol:CHANnels CH2Is1 SPLit
Gen Proto	SOURce:PROTocol:CRC ON OFF
Gen Proto	SOURce:PROTocol:MODE PROFessional CONSumer
Gen Proto	SOURce:PROTocol:NUMerical:BYTe <n> <n> = 0 … 3
Gen Proto	SOURce:PROTocol:NUMerical:CH <n> <n> = 1 | 2
Gen Proto	SOURce:PROTocol:NUMerical:VALue <n> <n> = 0 … 255
Gen Proto	SOURce:PROTocol:VALidity NONE CH1And2
Hardcopy	HCOPy:[IMMediate] No Query
Hardcopy	HCOPy:DESTination PRINter alias PRPCx alias PRSPc FILE CLIPboard
Hardcopy	HCOPy:FILE 'name'
Hardcopy	HCOPy:FILE:MODe NEW OVERwrite INCRement

Hardcopy	HCOPy:PRINter:ADDition OFF ON
Hardcopy	HCOPy:PRINter:FOOTer 'text'
Hardcopy	HCOPy:PRINter:HEADer 'text'
Hardcopy	HCOPy:PRINter:ORIentation PORTrait LANDscape
Hardcopy	HCOPy:SOURce WINDow GRAPhics
Load Setup	MMEMory:LOAD:STATe "filename"
Load Trc	FORMat[:DATA] REAL ASCii
Load Trc	Query only: TRACe:*Subsys\<i>*:LOAD:AX? TRACe:*Subsys\<i>*:LOAD:AY? TRACe:*Subsys\<i>*:LOAD:BX? TRACe:*Subsys\<i>*:LOAD:BY?
Load Trc	Query only: TRACe:*Subsys\<i>*:LOAD:COUNt:AX? TRACe:*Subsys\<i>*:LOAD:COUNt:AY? TRACe:*Subsys\<i>*:LOAD:COUNt:BX? TRACe:*Subsys\<i>*:LOAD:COUNt:BY?
Load Trc	Query only: TRACe:*Subsys\<i>*:LDList:AX? TRACe:*Subsys\<i>*:LDList:AY? TRACe:*Subsys\<i>*:LDList:BX? TRACe:*Subsys\<i>*:LDList:BY?
Load Trc	Query only: TRACe:*Subsys\<i>*:LDList:COUNt:AX? TRACe:*Subsys\<i>*:LDList:COUNt:AY? TRACe:*Subsys\<i>*:LDList:COUNt:BX? TRACe:*Subsys\<i>*:LDList:COUNt:BY?
Special (new)	INITiate:CONTinuous ON OFF WAIT
Special	INITiate:CONTinuous:TIMeout \<nu>

(new)	<nu> 0 to 1000s 0s is the same as INIT:CONT ON
Special	INITiate:FORCe STARt STOP SINGle CONTinuous No Query
Special	INITiate[:IMMediate] No Query
Special	SYSTem:MEMory:FREE STRing TRACe No Query
Special	SYSTem:MEMory:STRing<i> "String" <i> = 1 … 1024 Stringlength max. 540 Byte
Special (new)	SYSTem:MEMory:~~TRACe~~DATA<i> <x> <x> may be a set of ASCII data <n,n, ….. ,n,n> or a set of binary data #<LengthofLength><Length><Binary data as float> <i> = 1 … 16
Special	SYSTem:PROGramm:EXECute 'xxx.exe'
Special	SYSTem:SHUtdown SYSTem:SHUtdown <nu> Alias SYSTem:SHTDown SYSTem:SHTDown <nu> No Query
Special	SYSTem:DISPlay:EXPLanation<i>:SHOW "x=0,y=10,w=200,h=100" <i> = 1…10
Special	SYSTem:DISPlay:EXPLanation<i>:TEXT "<RTF-Text>" <i> = 1…10
Special	SYSTem:DISPlay:EXPLanation<i>:HIDE

	\<i\> = 1…10
Store Setup	MMEMory:STORe:STATe "filename"
Store Trc	TRACe:*Subsys\<i\>*:STORe:AX \<x\> TRACe:*Subsys\<i\>*:STORe:AY \<x\> TRACe:*Subsys\<i\>*:STORe:BX \<x\> TRACe:*Subsys\<i\>*:STORe:BY \<x\> \<x\> may be a set of ASCII data \<n,n, ….. ,n,n\> or a set of binary data #\<LengthofLength\>\<Length\>\<Binary data as float\> No Query. Query replacement is the command TRACe:*Subsys\<i\>*:LOAD:AX|AY|BX|BY?
Store Trc	MMEMory:*Subsys\<i\>*:EQUalization:MODify ON OFF
Store Trc	MMEMory:*Subsys\<i\>*:EQUalization:NORMfrequency \<nu\>
Store Trc	MMEMory:*Subsys\<i\>*:LIMit:OFFSet OFF ON
Store Trc	MMEMory:*Subsys\<i\>*:STAS TRCList EQUList SWPList LLISt DSELect
Store Trc	MMEMory:*Subsys*\<i\>:STORe "Mysweep.trc"
Store Trc	MMEMory:*Subsys*\<i\>:TRACe A B
Switcher	SWITcher:INPA \<n\> Alias: SWITcher:INPut[1] \<n\>
Switcher	SWITcher:INPB \<n\> Alias: SWITcher:INPut2 \<n\>
Switcher	SWITcher:OFFSet:BVSA \<n\> Alias: SWITcher:OFFSet:CH2V \<n\>
Switcher	SWITcher:OFFSet:OVSI \<n\> Alias: SWITcher:OVI \<n\>

Switcher	SWITcher:OUTA <n> Alias: SWITcher:OUTPut[1] <n>
Switcher	SWITcher:OUTB <n> Alias: SWITcher:OUTPut2 <n>
Switcher	SWITcher:STATe ON OFF
Switcher	SWITcher:TRACking OFF BVSA Alias CH2V OVSI Alias OVI ALL
Trigger	AUXiliaries:TRIGger:INPut:EDGE RISing FALLing
Trigger	AUXiliaries:TRIGger:INPut:ENAble ON OFF
Trigger	AUXiliaries:TRIGger:INPut:MODE MSINgle MCONtstop TRIGinptest
Trigger	AUXiliaries:TRIGger:OUTPut:EDGE RISing FALLing
Trigger	AUXiliaries:TRIGger:OUTPut:ENAble ON OFF
Trigger	AUXiliaries:TRIGger:OUTPut:FREQuency <nu>
Trigger	AUXiliaries:TRIGger:OUTPut:MODE MEASuring AUXClockout

Alphabetical List of Remote Control Commands

ADJust:JITTer:AUTO Alias CALibrate:JITTer:AUTO ONCE Query answer is always OFF
ADJust:LDG:AUTO Alias CALibrate:LDG:AUTO ONCE Query answer is always OFF
ADJust:SECGen:AUTO ONCE Query answer is always OFF
ADJust:ZERO:AUTO Alias CALibrate:ZERO:AUTO OFF ON ONCE
AUXiliaries:AAUXout DC AUDM1 alias GENerator
AUXiliaries:AUDMonitor ON OFF
AUXiliaries:DCValue <nu> <nu> = -2.5 … 2.5 V
AUXiliaries:PHONe ON OFF
AUXiliaries:PHPermanent ON OFF
AUXiliaries:SPEaker ON OFF

AUXiliaries:SPEaker:CHANnel STEReo CH1 CH2
AUXiliaries:SPEaker:SOURce INPut MONitor FUNCtion GENerator
AUXiliaries:SPEaker:VOLume <n> <n> = 0 … -120
AUXiliaries:TRIGger:INPut:EDGE RISing FALLing
AUXiliaries:TRIGger:INPut:ENAble ON OFF
AUXiliaries:TRIGger:INPut:MODE MSINgle MCONtstop TRIGinptest
AUXiliaries:TRIGger:OUTPut:EDGE RISing FALLing
AUXiliaries:TRIGger:OUTPut:ENAble ON OFF
AUXiliaries:TRIGger:OUTPut:FREQuency <nu>
AUXiliaries:TRIGger:OUTPut:MODE MEASuring AUXClockout
DIAGnostic:CALibration alias DIAGnostic:ADJustment CLDG   alias   ALDG CAGEn   alias   AAGEn CANLr0   alias   AANLr0 CDPHase alias   ADPHase
DIAGnostic:CALibration:ADDRess <n> alias DIAGnostic:ADJustment:ADDRess <n>

DIAGnostic:CALibration:FDATa \<n\> alias DIAGnostic:ADJustment:FDATa \<n\>
DIAGnostic:PASSword "Password" The password is not disclosed here! The query answer is 'Passwrd ok', not the actual password.
DISPlay:*Subsys*\<i\>:A|B:BOTTom \<nu\>
DISPlay:*Subsys*\<i\>:A|B:LIMLower ON OFF
DISPlay:*Subsys*\<i\>:A|B:LIMLower:SOURce VALue HOLD FILE IFILe
DISPlay:*Subsys*\<i\>:A|B:LIMLower:SOURce:FILE 'filename'
DISPlay:*Subsys*\<i\>:A|B:LIMLower:SOURce:VALue \<nu\>
DISPlay:*Subsys*\<i\>:A|B:LIMShift ON OFF
DISPlay:*Subsys*\<i\>:A|B:LIMShift:PARallel \<nu\>
DISPlay:*Subsys*\<i\>:A|B:LIMShift:SYMMetrical \<nu\>
DISPlay:*Subsys*\<i\>:A|B:LIMUpper ON OFF
DISPlay:*Subsys*\<i\>:A|B:LIMUpper:SOURce VALue HOLD FILE IFILe
DISPlay:*Subsys*\<i\>:A|B:LIMUpper:SOURce:FILE 'filename'
DISPlay:*Subsys*\<i\>:A|B:LIMUpper:SOURce:VALue \<nu\>
DISPlay:*Subsys*\<i\>:A|B:MARKer:HARMonics ON OFF

DISPlay:*Subsys*<i>:A|B:MARKer:MODE OFF FIXed TRKMax
DISPlay:*Subsys*<i>:A|B:MARKer:SETTo:OCURsor ONCE alias EXEC DISPlay:*Subsys*<i>:A|B:MARKer:SETTo:XCURsor ONCE alias EXEC ONCE or EXEC are not necessary No Query
DISPlay:*Subsys*<i>:A|B:MARKer:SETTo:XPOS <nu>
(new) DISPlay:*Subsys*<i>:A|B:NORMalize OFF VALue OCURsor XCURsor All subsystems except WAVeform
(new) DISPlay:*Subsys*<i>:A|B:NORMalize:VALue <nu> All subsystems except WAVeform
DISPlay:*Subsys*<i>:A|B:REFerence MEASpanel VALue MAXimum XCURsor OCURsor REF997 REF1000 CH1Meas CH2Meas GENTrack FILE HOLD
DISPlay:*Subsys*<i>:A|B:REFerence:FILE 'filename'
DISPlay:*Subsys*<i>:A|B:REFerence:VALue <nu>
DISPlay:*Subsys*<i>:A|B:SPACing <nu>
DISPlay:*Subsys*<i>:A|B:TOP <nu>

DISPlay:*Subsys*<i>:A|B:UNIT V DBV DBU   :
DISPlay:*Subsys*<i>:A|B:UNIT:AUTo alias AUTO ON OFF
DISPlay:*Subsys*<i>:A|B:UNIT:TRACk ON OFF
DISPlay:*Subsys*<i>:A|B:UNIT:USER 'string'
DISPlay:*Subsys*<i>:A|B:UPDate ALIVE HOLD

DISPlay:*Subsys*<i>:A|B:YSOurce

BARgraph:
OFF
FUNC1
FUNC2
FILEA
FILEB

FFT:
OFF
FFTL1
FFTL2
FFTP1
FFTP2
FILEA
FILEB
FFTP21   (new)

MONitor:
OFF
LEV1
LEV2
PHAS1
PHAS2
FILEA
FILEB

SWEep:
OFF
FUNC1
FUNC2
FREQ1
FREQ2
PHASe
GROupdelay
LMRM1
LMRM2
LMDC1
LMDC2
LMPK1
LMPK2
INPP1
INPP2
FILEA
FILEB

WAVeform:
OFF
LEV1
LEV2
FILEA
FILEB

DISPlay:*Subsys*<i>:A|B:YSOurce:FILE 'filename'

DISPlay:*Subsys*<i>:DLISt:FILTer
ALL
LIMUpper
LIMLower
LIMBoth
HARMonics
PEAKs

Subsys =
SWEep
BARgraph
FFT
WAVeform
MONitor

DISPlay:*Subsys*<i>:OCURsor:MODE
VA
VB
VAB
HA
HB

DISPlay:*Subsys*<i>:OCURsor:POSMode
PIXel
POINt
PEAK
HARMonic

DISPlay:*Subsys*<i>:OCURsor:SETTo:MAX
ONCE alias EXEC
DISPlay:*Subsys*<i>:XCURsor:SETTo:MAX
ONCE alias EXEC

ONCE or EXEC are not necessary

No Query

DISPlay:*Subsys*<i>:OCURsor:SETTo:MIN
ONCE alias EXEC
DISPlay:*Subsys*<i>:XCURsor:SETTo:MIN
ONCE alias EXEC

ONCE or EXEC are not necessary

No Query

DISPlay:*Subsys*<i>:OCURsor:SETTo:MRKA
ONCE alias EXEC
DISPlay:*Subsys*<i>:XCURsor:SETTo:MRKA
ONCE alias EXEC

ONCE or EXEC are not necessary

No Query

DISPlay:*Subsys<i>*:OCURsor:SETTo:MRKB
ONCE alias EXEC
DISPlay:*Subsys<i>*:XCURsor:SETTo:MRKB
ONCE alias EXEC

ONCE or EXEC are not necessary

No Query

DISPlay:*Subsys<i>*:OCURsor:SETTo:XPOS <nu>

DISPlay:*Subsys<i>*:OCURsor:SETTo:YPOS <nu>

Horizontal cursor only

DISPlay:*Subsys<i>*:OCURsor:STATe
OFF
ACTive
INACtive

DISPlay:*Subsys<i>*:SCANoffset <n>
<i> = 1, 2
<n> = 2 | MAX, 1 | MIN, 0

Query and command logging show the numerical value 2 for MAX and 1 for
MIN

DISPlay:*Subsys<i>*:TRACk:LIMit
ON
OFF

DISPlay:*Subsys<i>*:TRACk:REFerence
ON
OFF

DISPlay:*Subsys<i>*:TRACk:SCALing
ON
OFF

DISPlay:*Subsys<i>*:X:AXIS
TIME
VOLTage
FREQuency
PHASe
VDIGital
JPKamplitude

DISPlay:*Subsys<i>*:X:LEFT <nu>

DISPlay:*Subsys<i>*:X:REFerence:VALue <nu>

DISPlay:*Subsys<i>*:X:RIGHt <nu>

DISPlay:*Subsys*<i>:X:SCALing AUTo alias AUTO MANual
DISPlay:*Subsys*<i>:X:SOUrce SWEep HOLD MANual LRMS LDC LPEak FREQuency
DISPlay:*Subsys*<i>:X:SPACing <nu>
DISPlay:*Subsys*<i>:X:UNIT HZ DHZ   :
DISPlay:*Subsys*<i>:X:UNIT:AUTo alias AUTO ON OFF
DISPlay:*Subsys*<i>:X:UNIT:USER 'string'
DISPlay:*Subsys*<i>:XCURsor:MODE VA VB VAB HA HB
DISPlay:*Subsys*<i>:XCURsor:POSMode PIXel POINt PEAK HARMonic
DISPlay:*Subsys*<i>:XCURsor:SETTo:XPOS <nu>
DISPlay:*Subsys*<i>:XCURsor:SETTO:YPOS <nu> Horizontal cursor only
DISPlay:*Subsys*<i>:XCURsor:STATe OFF ACTive INACtive

for Multisinus:
SOURce:FUNCtion:MODE
EQUalvoltage
DEFinedvoltage

for DFD:
SOURce:FUNCtion:MODE
IEC268
IEC118

for Modulation:
SOURce:FUNCtion:MODE
AM
FM

FORMat[:DATA]
REAL
ASCii

HCOPy:[IMMediate]

No Query

HCOPy:DESTination
PRINter alias PRPCx alias PRSPc
FILE
CLIPboard

HCOPy:FILE 'name'

HCOPy:FILE:MODe
NEW
OVERwrite
INCRement

HCOPy:PRINter:ADDition
OFF
ON

HCOPy:PRINter:FOOTer 'text'

HCOPy:PRINter:HEADer 'text'

HCOPy:PRINter:ORIentation
PORTrait
LANDscape

HCOPy:SOURce
WINDow
GRAPhics

INITiate:CONTinuous
ON
OFF
WAIT   (new)

INITiate:CONTinuous:TIMeout <nu>

<nu> 0 to 1000s
0s is the same as INIT:CONT ON

INITiate:FORCe
STARt
STOP
SINGle
CONTinuous

No Query

INITiate[:IMMediate]

No Query

INPut:BANDwidth:MODE
B22
B40
B80
B250

INPut:CHANnel alias SELect
CH1
CH2
CH1And2
CH1Is2
CH2Is1
BOTH

INPut:COUPling
AC
DC

INPut:FILTer OFF UFIL1 … UFIL9 AWE CARM CCIU CCIR CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT URUM WRUM PEMP17 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17   (new)
INPut:FORMat SI2S USERdefined
INPut:FSLope LFTFalling LFTRising
INPut:INPut INTern DSUB
INPut:SAMPle:FREQuency <nu>

INPut:SAMPle:FREQuency:MODE
Parameter for Analyzer-Instrument Digital Audio:
F32
F44
F48
F88
F96
F176
F192
VALue
AUTO | AUTo

INPut:SAMPle:FREQuency:MODe
Parameter for Analyzer-Instrument I2S Borad:
F08
F11
F16
F22
F32
F44
F48
F88
F96
F176
F192
F384
VALue
AUTO | AUTo

INPut:WORDlength alias
INPut:WRDLength
W16
W24
W32

INPut:WRDOffset <n>

INPut[1]:COMMon alias LOW
FLOat
GROund

INPut[1]:IMPedance
R300
R600
R200K

INPut[1]:TYPE
Parameter for Analyzer-Instrument Analog
BALanced
GEN1
GEN2

Parameter for Analyzer-Instrument Digital Audio
AESebu
SPDif
OPTical
INTern

INPut2:COMMon alias LOW FLOat GROund
INPut2:IMPedance R300 R600 R200K
INPut2:TYPE BALanced GEN1 GEN2
INSTrument[1][:SELect] ANLG   alias A25 DIG   alias D48 I2SBoard alias I2S IMPairment alias INSTrument[1]:NSELect 1 | 2 | 3 | 4 | 5 1 =   ANLG 2 or 3 = DIG 4 =   I2SBoard 5 =   IMPairment
INSTrument2[:SELect] ANLG   alias A22 DIG   alias D48 I2SBoard alias I2S alias INSTrument2:NSELect 1 | 2 | 3 | 4 1 = Analog 2 or 3 = Dig Audio 4 = I2S Board
MMEMory:LOAD:ARBitrary 'filename'
MMEMory:LOAD:DWELl 'filename'
MMEMory:LOAD:FREQuency 'file'
MMEMory:LOAD:FREQuency: SLCFrequency 'filename'
MMEMory:LOAD:IEQualize 'filename'
MMEMory:LOAD:INTerval 'filename'
MMEMory:LOAD:OEQualize 'filename'
MMEMory:LOAD:ONTime 'filename'

MMEMory:LOAD:PHASe 'filename'
MMEMory:LOAD:STATe "filename"
MMEMory:LOAD:VOLTage 'filename'
MMEMory:STORe:STATe "filename"
MMEMory:*Subsys\<i\>*:EQUalization:MODify ON OFF
MMEMory:*Subsys\<i\>*:EQUalization:NORMfrequency \<nu\>
MMEMory:*Subsys\<i\>*:LIMit:OFFSet OFF ON
MMEMory:*Subsys\<i\>*:LIMit:OFFSet:VALue \<nu\>
MMEMory:*Subsys\<i\>*:STAS TRCList EQUList SWPList LLISt DSELect
MMEMory:*Subsys\<i\>*:STORe "Mysweep.trc"
MMEMory:*Subsys\<i\>*:TRACe A B
OUTPut:AUDiobits \<n\>
OUTPut:BANDwidth:MODE B22 B40 B80 AUTo alias AUTO
OUTput:CHANnel alias OUTput:SELect OFF CH1 CH2 CH2Is1 CH2Phase180

```
OUTPut:DIGital:AUXiliary:OUTput      alias
OUTPut:DIGital:AUXiliary:FEED        alias
OUTPut:DIGital:REFerence:OUTput alias
OUTPut:DIGital:REFerence:FEED
AOUTput
AINPut
AINReclock
RGENerator
AUXin
```

```
OUTPut:DIGital:CSIMulator
OFF
SIMLong
```

```
OUTPut:DIGital:INTClockfreq <nu>
```

```
OUTPut:DIGital:SYNC:OUTPut alias
OUTPut:DIGital:SYNC:FEED
ADOutput
ADINput
AXINput
GSYPll
JRFPll
AXOutput
SYINput
INTClock
```

```
OUTPut:DIGital:SYNC:TYPE
WCLock
BCLock
```

```
OUTPut:DIGital:UNBalanced:OUTPut alias
OUTPut:DIGital:UNBalanced:FEED
AOUTput
AINPut
```

```
OUTPut:FORMat
SI2S
USERdefined
```

```
OUTPut:FSHape
SQUpuls
BITPulse
```

```
OUTPut:IMPedance
R10
R200
R600
```

```
OUTPut:LOW
FLOat
GROund
```

OUTPut:MCLKratio M96 M128 M192 M256 M384 M512
OUTPut:POLarity Parameter sind abhängig von der Einstellung OUTP:FPU Parameter for the setting OUTP:FPU SQU: OUTPut:POLarity LFTLow LFTHigh Parameter for the setting OUTP:FPU BITP: OUTPut:POLarity NEGative POSitive
OUTPut:SAMPle:FREQuency \<nu\>
OUTPut:SAMPle:MODE Parameter for Generator-Instrument Digital Audio: F32 F44 F48 F88 F96 F176 F192 SYNChron VALue Parameter for Generator-Instrument I2S Board: F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue
OUTPut:SIGNal:BALanced:LEVel \<nu\>
OUTPut:SIGNal:LEVel \<nu\>

OUTPut:TYPE BALanced UNBalanced CTESt
OUTPut:WORDlength alias OUTPut:WRDLength W16 W24 W32

OUTPut:WRDOffset \<n\>
 	
If (OUTPut:WRDLength == 16)
\<n\> = -16 … 15
If (OUTPut:WRDLength == 24)
\<n\> = -24 … 23
If (OUTPut:WRDLength == 32)
\<n\> = -32 … 31

Query only SENSe[1]:FUNCtion:RECord:FLENgth?
Query only SENSe[1]:FUNCtion:FFT:MTIMe?
Query only SENSe[1]:FUNCtion:FFT: RESolution?
Query only SENSe[1]:FUNCtion:FFT:STOP?
Query only SENSe[1]:FUNCtion:FFT:STARt?
Query only SENSe8:PROTocol:CH\<x\>:BYTE\<y\>? \<x\> and \<y\> are suffixes \<x\> = Channel 1 or 2 \<y\> = Byte 0 … 4 Return value = 0 … 255
Query only DISPlay:*Subsys*\<i\>:OCURsor:Y?
Query only DISPlay:*Subsys*\<i\>:XCURsor:Y?
Query only! SENSe[1]:UFILter\<i\>:STOPb:LOWer? \<i\> = 1 … 9

SENSe[1]:UFILter<i>:STOPb:UPPer?
<i> = 1 … 9

SENSe[1]:UFILter<i>:STOPb?
<i> = 1 … 9

TRACe:*Subsys<i>*:LOAD:AX?
TRACe:*Subsys<i>*:LOAD:AY?
TRACe:*Subsys<i>*:LOAD:BX?
TRACe:*Subsys<i>*:LOAD:BY?

TRACe:*Subsys<i>*:LOAD:COUNt:AX?
TRACe:*Subsys<i>*:LOAD:COUNt:AY?
TRACe:*Subsys<i>*:LOAD:COUNt:BX?
TRACe:*Subsys<i>*:LOAD:COUNt:BY?

TRACe:*Subsys<i>*:LDList:AX?
TRACe:*Subsys<i>*:LDList:AY?
TRACe:*Subsys<i>*:LDList:BX?
TRACe:*Subsys<i>*:LDList:BY?

TRACe:*Subsys<i>*:LDList:COUNt:AX?
TRACe:*Subsys<i>*:LDList:COUNt:AY?
TRACe:*Subsys<i>*:LDList:COUNt:BX?
TRACe:*Subsys<i>*:LDList:COUNt:BY?

SENSe:BANDwidth <nu>

SENSe:FREQuency:SQRSin
DIMA
DIMB

SENSe:UFILter<i>:ORDer
N4
N8
<i> = 1 … 9

SENSe[1]:BANDwidth:MODE PPCT1 PPCT3 POCT12 PTOC PFAS PFIX SPCT1 SPCT3 SOCT12 STOC SFAS SFIX
SENSe[1]:CHANnel:DELay <nu>
SENSe[1]:DATA1?
SENSe[1]:DATA2?
SENSe[1]:DIGital:JITTer alias SYNC:REFerence INTClock   alias GCLock REFPll   alias PLLVari
SENSe[1]:DIGital:MMODe alias FEED ADATa JPHase CINPut

SENSe[1]:FILTer\<i\>   OFF   UFIL1   UFIL2   UFIL3   UFIL4   UFIL5   UFIL6   UFIL7   UFIL8   UFIL9   AWE   CARM   CCIU   CCIR   CCIT   CMES   DEMP17   DEMP5015   DEMP50   DEMP75   DCN   IECT   JITT   URUM   WRUM   PEMP17   PEMP50   PEMP75   HP22   HP400   LP22   LP30   LP80   AES17   (new)   \<i\> = 1, 2 or 3
SENSe[1]:FREQuency \<nu\>
SENSe[1]:FREQuency:FACTor \<nu\>
SENSe[1]:FREQuency:LIMit:LOWer \<nu\>
SENSe[1]:FREQuency:LIMit:UPPer \<nu\>
SENSe[1]:FREQuency:SELect   CW | FIXed   MULTisine   GENTrack   CH1F   CH2F   AUToboth alias AUToboth
SENSe[1]:FREQuency:STARt \<nu\>
SENSe[1]:FREQuency:STOP \<nu\>

SENSe[1]:FUNCtion
OFF
RMS
RMSSelect
PEAK
QPEak
SN
DC
THD
THDNsndr
MDISt
DFD
DIM   now available in digital instrument too   (new)
WAF
POLarity
FFT
FILTersim
COHerence
RUBBuzz
PROTocol
THIRdoct
NOCTave
RECord

SENSe[1]:FUNCtion:APERture:MODE
AFASt
AUTO
TRIGgered
GENTrack
VALue
FAST
SFASt
SLOW

WIDE
MEDium
NARRow

SENSe[1]:FUNCtion:BARGraph
ON
OFF

SENSe[1]:FUNCtion:DCSuppression
ON
OFF

SENSe[1]:FUNCtion:DISTortion<i>
ON
OFF

<i> = 2 … 9 selects harmonics

SENSe[1]:FUNCtion:DMODe
FAST
PRECision

SENSe[1]:FUNCtion:FFT:AVERage <n>
<n> = 2…256

SENSe[1]:FUNCtion:FFT:AVERage:MODE OFF NORMal EXPonential

SENSe[1]:FUNCtion:FFT:CENTer <nu>

SENSe[1]:FUNCtion:FFT:Size S512 S1K S2K S4K S8K S16K S32K S64K S128K S256K

SENSe[1]:FUNCtion:FFT:STATe ON OFF

SENSe[1]:FUNCtion:FFT:WINDow RECTangular HANNing BLACkman_harris RIF1 RIF2 RIF3 HAMMing FLATtop

SENSe[1]:FUNCtion:FFT:ZOOM <n>
<n> = 1…128

SENSe[1]:FUNCtion:MMODe **Peak** PPEak NPEak PTOPeak PABSolut **SN** RMS QPEak PPEak NPEak PTOPeak PABSolut **THD** SELectdi LSELectdi DALL LDALI DODD LDODd DEVen LDEVen **THD+N** THDN LTHDn SNDRatio NOISe LNOise **DFD** D2_268 alias D2 D3_268 alias D3 D2_118 D3_118 **NOCTave** OCT1 OCT3 OCT6 OCT12 OCT24
SENSe[1]:FUNCtion:RECord:FILe alias FILE 'filename'
SENSe[1]:FUNCtion:RECord:LENGth \<nu\> \<nu\> in s
SENSe[1]:FUNCtion:RECord:TRIGger:LEVel \<nu\>
SENSe[1]:FUNCtion:RECord:TRIGger:PRE \<nu\> \<nu\> in s

SENSe[1]:FUNCtion:RECord:TRIGger:SLOPe RISing FALLing
SENSe[1]:FUNCtion:RECord:TRIGger:SOURce CH1 CH2 MANual
SENSe[1]:NOTCh DB0 DB12 DB30 OFF
SENSe[1]:NOTCh:FREQuency <nu>
SENSe[1]:NOTCh:FREQuency:MODE VALue GENTrack
SENSe[1]:POWer:REFerence:RESistance <nu>
SENSe[1]:REFerence:MODE[1] CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
SENSe[1]:REFerence:MODE2 CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
SENSe[1]:REFerence[1] <nu>
SENSe[1]:REFerence2 <nu>
SENSe[1]:SWEep:CONTrol OFF ASWeep ALISt MSWeep MLISt

SENSe[1]:SWEep:POINts \<n>

SENSe[1]:SWEep:SPACing LINSteps LOGSteps LINPoints LOGPoints

SENSe[1]:SWEep:STEP \<nu>

SENSe[1]:THDN:REJection NARRow WIDE

SENSe[1]:UFILter\<i> HPASs LPASs BPASs BSTop BSTOp NOTCh TOCTave OCTave FILE \<i> = 1 … 9

SENSe[1]:UFILter\<i>:ATTenuation \<nu> \<i> = 1 … 9

SENSe[1]:UFILter\<i>:CENTer \<nu> \<i> = 1 … 9

SENSe[1]:UFILter\<i>:DELay \<nu> \<i> = 1 … 9

SENSe[1]:UFILter\<i>:FNAMe 'filename' \<i> = 1 … 9

SENSe[1]:UFILter\<i>:PASSb \<nu> \<i> = 1 … 9

SENSe[1]:UFILter\<i>:PASSb:LOWer \<nu> \<i> = 1 … 9

SENSe[1]:UFILter\<i>:PASSb:UPPer \<nu> \<i> = 1 … 9

SENSe[1]:UFILter\<i>:WIDTh \<nu> \<i> = 1 … 9

SENSe[1]:UNAuto[1] ON OFF

SENSe[1]:UNAuto2 ON OFF
SENSe[1]:UNIT[1] V DBV :
SENSe[1]:UNIT2 V DBV :
SENSe[1]:USERunit[1] 'Unitstring'
SENSe[1]:USERunit2 'Unitstring'
SENSe[1]:VOLTage:APERture <nu>
SENSe[1]:VOLTage:EQUalize ON OFF
SENSe[1]:VOLTage:FUNDamental <nu>
SENSe[1]:VOLTage:FUNDamental:MODE AUTO VALue GENTrack
SENSe[1]:VOLTage:INTVtime <nu>
SENSe[1]:VOLTage:INTVtime:MODE SFASt FAST SLOW FIXed VALue
SENSe[1]:VOLTage:RANGe[1]:MODE AUTO FIX LOWER

SENSe[1]:VOLTage:RANGe[1]:VALue <nu>

<nu> = 18mV | 30mV | 60mV | 100mV | 180mV | 300mV | 600mV | 1000mV |
        1800mV | 3V | 6V | 10V | 18V | 30V | 60V | 100V

Queryform:
SENSe[1]:VOLTage:RANGe[1]:VALue?

The query answer is the related range:

18mV:	"<0.0 ... 0.01979V>"
30mV:	"<0.0198 ... 0.03299V>"
60mV:	"<0.033 ... 0.06599V>"
100mV:	"<0.066 ... 0.10999V>"
180mV:	"<0.11 ... 0.19799V>"
300mV:	"<0.198 ... 0.32999V>"
600mV:	"<0.33 ... 0.65999V>"
1000mV:	"<0.66 ... 1.09999V>"
1800mV:	"<1.1 ... 1.97999V>"
3V:	"<1.98 ... 3.29999V>"
6V:	"<3.3 ... 6.59999V>"
10V:	"<6.6 ... 10.9999V>"
18V:	"<11.0 ... 19.7999V>"
30V:	"<19.8 ... 32.9999V>"
60V:	"<33.0 ... 65.9999V>"
100V:	"<66.0 ... 110.0 V>"

SENSe[1]:VOLTage:RANGe2:MODE
AUTO
FIX
LOWER

SENSe[1]:VOLTage:RANGe2:VALue <nu>

SENSe2:DATA1?

SENSe2:DATA2?

SENSe2:FUNCtion
OFF
IPEAk alias IPEAK
PHASetoref
DIGinpampl

SENSe2:REFerence <nu>

SENSe2:REFerence:MODE
CH1Store
CH2Store
STORe
CH1Meas
CH2Meas
GENTrack
DIGoutampl
VALue

CH1Store, CH2Store and STORe are actions, afterwards the internal state is
VALue, so the query answer is VALue.

SENSe2:UNAuto[1] ON OFF
SENSe2:UNAuto2 ON OFF
SENSe2:UNIT[1] BITS DBFS DBM DBR DBU DBUI DBV DEGFRM DPCT DPCTV DPCTW DV DW FS LSBS NS PCTFRM PCTFS PCTPPR PCTUI PCTVVR PPMUI PPR UI UIR UIS V VVR W
SENSe2:UNIT2 V DBV DBR FS   :
SENSe2:USERunit[1] 'Unitstring'
SENSe2:USERunit2 'Unitstring'
SENSe3:DATA1?
SENSe3:DATA2?
SENSe3:FREQuency:APERture:MODE FAST PRECision

SENSe3:FREQuency:REFerence <nu>

SENSe3:FREQuency:REFerence:MODE CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue CH1Store, CH2Store and STORe are actions, the internal state is VALue, so the query answer is always VALue.

SENSe3:FREQuency:UNAuto[1] ON OFF

SENSe3:FREQuency:UNAuto2 ON OFF

SENSe3:FREQuency:UNIT[1] HZ DHZ DPCTHZ TERZ OCT DEC FFR

SENSe3:FREQuency:UNIT2 HZ DHZ DPCTHZ TERZ OCT DEC FFR

SENSe3:FREquency:USERunit[1] 'Unitstring'

SENSe3:FREquency:USERunit2 'Unitstring'

SENSe3:FUNCtion OFF FREQuency FQPHase FQGRoupdelay FQSamplefrequency SFRequency

SENSe3:GROupdelay:REFerence <nu> = 0 … 10 s

SENSe3:PHASe:FORMat POSitive POSNegative NEGative RAD RADBipolar RADNegative INFinite
SENSe3:PHASe:REFerence <nu> -360° ·...+360° -6.32832 … +6.32832 RAD
SENSe3:PHASe:REFerence:MODE STORe VALue STORe is an action, the internal state is VALue, so the query answer is always VALue.
SENSe3:PHASe:UNAuto ON OFF
SENSe3:PHASe:UNIT DEG RAD DDEG DRAD S DS
SENSe3:PHASe:USERunit 'Unitstring'
SENSe4:DATA?
SENSe5:FUNCtion OFF ON
SENSe6:DATA1?
SENSe6:DATA2?
SENSe6:FUNCtion OFF LRMS DC PEAK
SENSe6:REFerence <nu>

SENSe6:REFerence:MODE CH1Store CH2Store STORe CH1Meas CH2Meas GENTrack VALue CH1Store, CH2Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.
SENSe6:UNAuto[1] ON OFF
SENSe6:UNAuto2 ON OFF
SENSe6:UNIT[1]
SENSe6:UNIT2
SENSe6:USERunit[1] 'Unitstring'
SENSe6:USERunit2 'Unitstring'
SENSe7:FUNCtion OFF ON
SENSe7:INTerpol N1 N2 N4 N8 N16 N32
SENSe7:MMODe STANdard COMPressed
SENSe7:TRIGger:AUTo alias AUTO ON OFF
SENSe7:TRIGger:LEVel <nu>
SENSe7:TRIGger:PRE <nu>
SENSe7:TRIGger:SLOPe RISing FALLing

SENSe7:TRIGger:SOURce CH1 CH2 MANual GENBurst   (new)
SENSe7:TRIGger:TRCLength \<nu>
SENSe7:WAVeform:COMPfact \<n>
SENSe8:FUNCtion OFF ON
SENSe8:PROTocol:DISPlay ON OFF
(new) SENSe8:PROTocol:ERRor? Query only Answer: 0,"No error" or \<n>,"PCM1,PCM2,PAR1,PAR2,…" \<n> represents 10 Bits (d0 … d9) \<n> = 0 … 1023 d0: PCM1 d1: PCM2 d2: PAR1 d3: PAR2 d4: LOC1 d5: LOC2 d6: CRC1 d7: CRC2 d8: INV1 d9: INV2
SENSe8:PROTocol:HIGHlight NOTHing FOUTput BETWeen FSTart
SENSe8:PROTocol:MODE AUTomatic | AUTOmatic CONSumer PROFessional

SENSe8:PROTocol:PERSistence SHORt LONG FORever
SENSe8:PROTocol:VIEW BINText BINonly
SOURce:AM:MODE OFF SINusoid BURSt
SOURce:BANDwidth F30 F100
SOURce:DIGital:FRAMephase <nu>
SOURce:DIGital:PHASetorefvar OFF VALue
SOURce:DIGital:REFerence AZERo AONE
SOURce:DIGital:SRCMode alias FEED ADATa JITTer COMMon
SOURce:DIGital:SYNC:TO alias SOURce Parameter for Generator-Instrument Digital Audio: INTClock alias GCLock AINPut AUXinput alias RINPut SINPut SINVinput Parameter for Generator-Instrument I2S Board: INTern EXTMasterclock EXTWordclock
SOURce:DIM DIMA DIMB DIMS   for Square/Sine 2.96/8kHz   (new)

SOURce:FILTer OFF UFIL1 UFIL2 UFIL3 UFIL4 UFIL5 UFIL6 UFIL7 UFIL8 UFIL9 AWE CARM CCIU CCIR CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT URUM WRUM PEMP17 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17   (new)
SOURce:FREQuency:AM <nu>
SOURce:FREQuency:CH2Stereo <nu>
SOURce:FREQuency:DIFFerence <nu>
SOURce:FREQuency:MEAN <nu>
SOURce:FREQuency:REFerence <nu>
SOURce:FREQuency:SELect FQPH FQFQ
SOURce:FREQuency[1] [:CW|FIXed] <nu>
SOURce:FREQuency<i>[:CW|FIXed] <nu> <i> = 3 … 32

SOURce:FREQuency2[:CW|FIXed] <nu>

SOURce:FUNCtion[:SHAPe] SINusoid STEReo MULTisine BURSt S2Pulse MDISt DFD DIM RANDom ARBitrary POLarity MODulation alias FM DC PLAY PLYAnlr alias O131

SOURce:IMPairment ON OFF

SOURce:INTerval <nu>

SOURce:LOOP:CHANnel OFF CH1 CH2 STEReo CROSsed

SOURce:LOOP:GAIN <nu> <nu> in MLT | DB

SOURce:LOWDistortion ON OFF

SOURce:MULTisine:COUNt <n>

SOURce:ONTime <nu>

SOURce:ONTime:DELay <nu>

SOURce:PHASe[<i>] <i> = 1 ... 32 <nu> = 0 ... 360 °

SOURce:PLAY:CHANnel MLEFt MRIGht STEReo

SOURce:PLAY:MODE TOCont TOSingle TICont TISingle
SOURce:PLAY:SCALepktofs ON OFF
SOURce:PLAY:TIME <nu>
SOURce:PROTocol:AZERo ONCE Query answer always is OFF
SOURce:PROTocol:CH<x>:BYTE<y> <n> <x> and <y> are suffixes <x> = Channel 1 or 2 <y> = Byte 0 … 3 <n> = Value 0 … 255
SOURce:PROTocol:CHANnels CH2Is1 SPLit
SOURce:PROTocol:CRC ON OFF
SOURce:PROTocol:MODE PROFessional CONSumer
SOURce:PROTocol:NUMerical:BYTe <n> <n> = 0 … 3
SOURce:PROTocol:NUMerical:CH <n> <n> = 1 | 2
SOURce:PROTocol:NUMerical:VALue <n> <n> = 0 … 255
SOURce:PROTocol:VALidity NONE CH1And2
SOURce:RANDom:DOMain FREQuency TIME

SOURce:RANDom:FREQuency:LOWer <nu>

SOURce:RANDom:FREQuency:UPPer <nu>

SOURce:RANDom:PDF GAUSsian TRIangle RECTangle

SOURce:RANDom:SHAPe WHITe PINK TOCTave ARBitrary

SOURce:RANDom:SPACing:FREQuency <nu>

SOURce:RANDom:SPACing:MODE ATRack USERdefined

SOURce:SINusoid:DITHer <nu>

SOURce:SINusoid:DITHer:STATe ON OFF

SOURce:SWEep:CONTrol OFF ASWeep ALISt MSWeep MLISt

SOURce:SWEep:DWELl <nu> <nu> = 10 ms ... 1000 s

SOURce:SWEep:FREQuency: SPACing LINSteps LOGSteps LINPoints LOGPoints

SOURce:SWEep:FREQuency:POINts <n>

SOURce:SWEep:FREQuency:STARt <nu>

SOURce:SWEep:FREQuency:STEP <nu>

SOURce:SWEep:FREQuency:STOP <nu>

SOURce:SWEep:INTerval: SPACing LINSteps LOGSteps LINPoints LOGPoints
SOURce:SWEep:INTerval:POINts \<n>
SOURce:SWEep:INTerval:STARt \<nu>
SOURce:SWEep:INTerval:STEP \<nu>
SOURce:SWEep:INTerval:STOP \<nu>
SOURce:SWEep:NEXTstep DWELl ASYNc LIST
SOURce:SWEep:ONTime: SPACing LINSteps LOGSteps LINPoints LOGPoints
SOURce:SWEep:ONTime:POINts \<n>
SOURce:SWEep:ONTime:STARt \<nu>
SOURce:SWEep:ONTime:STEP \<nu>
SOURce:SWEep:ONTime:STOP \<nu>
SOURce:SWEep:PHASe: SPACing LINSteps LOGSteps LINPoints LOGPoints
SOURce:SWEep:PHASe:POINts \<n>
SOURce:SWEep:PHASe:STEP \<nu>
SOURce:SWEep:PHASe:STOP \<nu>
SOURce:SWEep:PHASe:STOP \<nu>
SOURce:SWEep:VOLTage: SPACing LINSteps LOGSteps LINPoints LOGPoints

SOURce:SWEep:VOLTage:POINts \<n\>
SOURce:SWEep:VOLTage:STARt \<nu\>
SOURce:SWEep:VOLTage:STEP \<nu\>
SOURce:SWEep:VOLTage:STOP \<nu\>
SOURce:SWEep:XAXis FREQuency VOLTage ONTIme INTervall
SOURce:SWEep:ZAXis OFF FREQuency VOLTage ONTIme INTervall
SOURce:VOLTage:AM \<nu\> \<nu\> in PCT (%)
SOURce:VOLTage:CH2Stereo \<nu\>
SOURce:VOLTage:CREStfactor \<nu\>
SOURce:VOLTage:CREStfactor:MODE MINimized DPHase VALue
SOURce:VOLTage:EQUalize:STATe ON OFF
SOURce:VOLTage:LOWLevel \<nu\>
SOURce:VOLTage:MAXimum alias LIMit \<nu\>
SOURce:VOLTage:OFFSet \<nu\>
SOURce:VOLTage:OFFSet:STATe ON OFF
SOURce:VOLTage:RANGe AUTO FIX
SOURce:VOLTage:RATio \<n\>

SOURce:VOLTage:REFerence <nu>
SOURce:VOLTage:RMS <nu>
SOURce:VOLTage:SELect VLRT VLVL
SOURce:VOLTage:TOTal <nu>
SOURce:VOLTage:TOTal:GAIN <nu> <nu> in dB
SOURce:VOLTage[1] <nu> Basic unit V or FS with Modulation %
SOURce:VOLTage<i> <nu> <i> = 3 … 32 Basic unit V or FS with Modulation %
SOURce:VOLTage2 <nu> Basic unit V or FS with Modulation %
SWITcher:INPA <n> Alias: SWITcher:INPut[1] <n>
SWITcher:INPB <n> Alias: SWITcher:INPut2 <n>
SWITcher:OFFSet:BVSA <n> Alias: SWITcher:OFFSet:CH2V <n>
SWITcher:OFFSet:OVSI <n> Alias: SWITcher:OVI <n>
SWITcher:OUTA <n> Alias: SWITcher:OUTPut[1] <n>
SWITcher:OUTB <n> Alias: SWITcher:OUTPut2 <n>

SWITcher:STATe ON OFF
SWITcher:TRACking OFF BVSA   Alias CH2V OVSI   Alias OVI ALL
SYSTem:COMMunicate:GPIB:ADDRess \<n> \<n> = 0 … 31
SYSTem:DISPlay:EXPLanation\<i>:HIDE \<i> = 1…10
SYSTem:DISPlay:EXPLanation\<i>:SHOW "x=0,y=10,w=200,h=100" \<i> = 1…10
SYSTem:DISPlay:EXPLanation\<i>:TEXT "\<RTF-Text>" \<i> = 1…10
SYSTem:DISPlay:SCPIUpdate alias SYSTem:DISPlay:SCPiupdate   (new) OFF ON
SYSTem:MEMory:FREE STRing TRACe No Query
SYSTem:MEMory:STRing\<i> "String" \<i> = 1 … 1024 Stringlength max. 540 Byte
SYSTem:MEMory:<s>TRACe</s>DATA\<i> \<x>   (new) \<x> may be a set of ASCII data \<n,n, ….. ,n,n> or a set of binary data #\<LengthofLength>\<Length>\<Binary data as float> \<i> = 1 … 16
SYSTem:PROGramm:EXECute 'xxx.exe'
SYSTem:QLONg OFF ON

SYSTem:SHUtdown
SYSTem:SHUtdown <nu>

Alias

SYSTem:SHTDown
SYSTem:SHTDown <nu>

No Query

TRACe:*Subsys<i>*:STORe:AX <x>
TRACe:*Subsys<i>*:STORe:AY <x>
TRACe:*Subsys<i>*:STORe:BX <x>
TRACe:*Subsys<i>*:STORe:BY <x>

<x> may be a set of ASCII data <n,n, ….. ,n,n> or a set of binary data
#<LengthofLength><Length><Binary data as float>

No Query.
Query replacement is the command TRACe:*Subsys<i>*:LOAD:AX|AY|BX|BY?