

UPV Remote Control Commands V3.3.4.821, 16.09.2013

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Differences between firmware version V3.3.1.758 and V3.3.4.821 are printed in **red** and marked with **(new)**.

Blue comments are specials relating to queries.

Subsys<i> is a replacement for the graphical subsystems SWEep, FFT, WAVEform, BARgraph, PESQ and IMPResponse

- SWEep<i>: i = 1 to 4
- FFT<i>: i = 1 or 2
- WAVEform<i>: i = 1
- BARgraph<i>: i = 1 or 2
- PESQ<i>: i = 1 or 2
- IMPResponse<i>: i = 1

List of Remote Control Commands arranged in groups

Group	Command-Mnemonic	New
Adjust	ADJust:JITTer:AUTO ONCE or EXEC <i>Query answer always OFF</i>	
Adjust	ADJust:LDG:AUTO ONCE or EXEC <i>Query answer always OFF</i>	
Adjust	ADJust:SECGen:AUTO ONCE or EXEC <i>Query answer always OFF</i>	
Adjust	ADJust:ZERO OFF ON ONCE or EXEC	
Adjust	DIAGnostic:ADJustment ALDG AAGEn AANLr0 ADPHase or CDPHase B48Primary B48Secondary Only executable with valid password. Password can be set with	

Group	Command-Mnemonic	New
	DIAGnostic:PASSword "Password"	
Adjust	DIAGnostic:ADJustment:ADDRess <n> Only executable with valid password. Password can be set with DIAGnostic:PASSword "Password"	
Adjust	DIAGnostic:ADJustment:FDATa <n> Only executable with valid password. Password can be set with DIAGnostic:PASSword "Password"	
Anl Config	ARM:FREQuency:STARt <nu>	
Anl Config	ARM:FREQuency:STOP <nu>	
Anl Config	ARM:LEVel:MIN <nu>	
Anl Config	ARM:VOLTage:STARt <nu>	
Anl Config	ARM:VOLTage:STOP <nu>	
Anl Config	INPut:ALIGnment RISing FALLing CH1Hch2l CH1Lch2h CH1Rch2f CH1Fch2r	
Anl Config	INPut:AUDIobits <n> n = 8 ... 24	
Anl Config	INPut:BANDwidth:MODE B22 B40 B80 B250	
Anl Config	INPut:BCLK:FREQuency? Query only	
Anl Config	INPut:BSLope RISing FALLing	
Anl Config	INPut:CHANnel CH1 CH2 CH1And2 CH1Is2 CH2Is1 BOTH	
Anl Config	INPut:CHMode MONO STEReo	
Anl Config	INPut:CLKFrequency <nu> 512..12800 kHz	
Anl Config	INPut:CLKSource INTern EXTern	

Group	Command-Mnemonic	New
Anl Config	INPut:CLOCK CONTInous GATed	
Anl Config	INPut:CODing NONE ALAW ULAW	
Anl Config	INPut:COMMon FLOat GROund	
Anl Config	INPut:COUPling:CHANnels TRACk SPLit	
Anl Config	INPut:DTYCycle <nu> 10% ... 90%	
Anl Config	INPut:DWNFactor M8 M16 M32 M64 M128 M256	(new)
Anl Config	INPut:FBIT MSB LSB	
Anl Config	INPut:FILTer OFF UFIL1...9 AWE CCIR CARM CCIU CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT PEMP17 PEMP5015 PEMP50 PEMP75 URUM WRUM HP22 HP400 LP22 LP30 LP80 AES17 CWE	

Group	Command-Mnemonic	New
Anl Config	INPut:FOFFset <n> <n> = -Wordlength ... Wordlength-1	
Anl Config	INPut:FORMat SI2S USERdefined	
Anl Config	INPut:FSLope LFTFalling LFTRising	
Anl Config	INPut:FSYNc:FREQUency? Query only	
Anl Config	INPut:FWIDth ONEBit ONESlot SQUare VALue	
Anl Config	INPut:FWIDth:VALue <n>	
Anl Config	INPut:IMPedance R300 R600 R200K	
Anl Config	INPut:INPut INTern DSUB PROBe	
Anl Config	INPut:LBITs <n> <n> = 0 ... depends of Slot Length	
Anl Config	INPut:LOGVoltage MV0900 MV1200 MV1500 MV1800 MV2500 MV3300	
Anl Config	INPut:MCHannels<ch> ON OFF Dual channel: <ch> = 1 ... 2 Multichannel: <ch> = 1 ... 8 <ch> = 1 ... 16	
Anl Config	INPut:MCHSource<ch> RX1Data RX2Data RX3Data RX4Data	

Group	Command-Mnemonic	New
	<ch> = 1 ... 8	
Anl Config	INPut:MRATio <n> <n> = 16 ... 768	
Anl Config	INPut:MSAMplefrequency ON OFF	
Anl Config	INPut:MSOource INCLock PROBe	
Anl Config	INPut:NOSLots <n> <n> = 1 ... 256	
Anl Config	INPut:RANGe:CHANnels TRACk SPLit	
Anl Config	INPut:RATio <n> <n> = 2 ... 12	
Anl Config	INPut:RESYnc ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	INPut:SAMPlE:FREQUency <nu>	
Anl Config	INPut:SAMPlE:FREQUency:MODE Param. for Anlr.-Instr. DIGITAL: AUTO or AUTO F32 F44 F48 F88 F96 F176 F192 VALue CHStatus Param. ffor Anlr.-Instr. I2SBOARD: AUTO or AUTO F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue	
Anl Config	INPut:SDELay <nu>	

Group	Command-Mnemonic	New
Anl Config	INPut:SLOTs<ch> <String> <ch> = 1 ... 8	
Anl Config	INPut:SLTLength <n> <n> = 8 ... 256	
Anl Config	INPut:SPFRame <n> <n> = 1 ... 32	
Anl Config	INPut:SYNCto ICLock EMASterclock EFSYnc EFAMon EFBCIk	
Anl Config	INPut:TIMEout <nu> <nu> 1 ... 500 ms	
Anl Config	INPut:TYPE For analyzer instrument ANLG BALanced GEN1 GEN2 For analyzer instrument DIG DBALanced or AESebu DUNBalanced or SPDif OPTical INTern	
Anl Config	INPut:WLENgth W16 W24 W32	
Anl Config	INPut:WOffset <n>	
Anl Config	INPut<ch>:COUPling AC DC <ch> = 1 ... 16	
Anl Config	INPut2:COMMon FLOat GROund	
Anl Config	INPut2:IMPedance R300 R600 R200K	
Anl Config	INPut2:TYPE BALanced GEN1 GEN2	
Anl Config	INSTRument2 ANLG or A22	

Group	Command-Mnemonic	New
	DIG or D48 I2Sboard or I2S U2Channel U8Channel A8Channel A16Channel DIGBitstream Alias INSTRument2:NSElect 1 2 3 4 6 7 8 9 10 1 = ANLG 2 oder 3 = DIG 4 = I2Sboard 6 = U2Channel 7 = U8Channel 8 = A8Channel 9 = A16Channel 10 = DIGBitstream	
Anl Config	SENSE:CMPFactor <n> <n> = 2 ... 1024	
Anl Config	SENSE:DATA:ALL? SENSE:DATA:ALL? MIN SENSE:DATA:ALL? MAX Query only	
Anl Config	SENSE:DMODE ADATa JPHase CINPut	
Anl Config	SENSE:JITTer:REFErence INTClock or GCLOCK REFPII or PLLVari	
Anl Config	SENSE:MAX:FFT:SIZE S512 S1K S2K S4K S8K S16K S32K S64K S128K S256K	
Anl Config	SENSE:POWER:REFErence:RESistance <nu>	
Anl Config	SENSE:REFErence <nu>	
Anl Config	SENSE:REFErence:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6	

Group	Command-Mnemonic	New
	CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16	
Anl Config	SENSE:REFerence:MODE Dual channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue Multichannel: VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store	
Anl Config	SENSE:REFerence:MODE2 CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue	
Anl Config	SENSE:REFerence2 <nu>	
Anl Config	SENSE:TRIGger:SETTling:COUNT <n>	
Anl Config	SENSE:TRIGger:SETTling:MODE OFF EXPonential FLAT AVERage	(new)

Group	Command-Mnemonic	New
Anl Config	SENSe:TRIGger:SETTling:RESolution <nu>	
Anl Config	SENSe:TRIGger:SETTling:TOLerance <nu> PCT	
Anl Config	SENSe:VOLTage:RANGe<ch>:MODE AUTO FIX LOWER <ch> = 1 ... 16	
Anl Config	SENSe:VOLTage:RANGe<ch>:VALue <nu> <ch> = 1 ... 16 Query: The query answer is the nominal value of the range in volt without unit: Exceptionally the using of the query form "SENS:VOLT:RANG<i>:VALue? MIN or MAX" is not allowed. Dual channel: 18MV: 0.018 30mV: 0.03 60mV: 0.06 100mV: 0.1 180mV: 0.18 300mV: 0.3 600mV: 0.6 1000mV: 1 1800mV: 1.8 3V: 3 6V: 6 10V: 10 18V: 18 30V: 30 60V: 60 100V: 100 Multichannel: R200MV: 0.2 R800MV: 0.8 R3V: 3 R12V: 12 R50V: 50	
Anl Config	SENSe<i>:LEFT<ch> <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSe<i>:LIMLower<ch> ON OFF <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSe<i>:LIMLower<ch>:VALue <nu>	

Group	Command-Mnemonic	New
	<i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE<i>:LIMUpper<ch> ON OFF <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE<i>:LIMUpper<ch>:VALue <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE<i>:RIGHt<ch> <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE<x>:DATA<y>? MIN SENSE<x>:DATA<y>? MAX Query only	
Anl Config	SENSE2:DATA:ALL? SENSE2:DATA:ALL? MIN SENSE2:DATA:ALL? MAX Query only	
Anl Config	SENSE2:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSE2:FUNCTion OFF IPEAk or IPEAK PHASetoref DIGinpampl	
Anl Config	SENSE2:REFerence <nu>	
Anl Config	SENSE2:REFerence:MODE Dual channel: CH1Store CH2Store STORe CH1Meas CH2Meas GENTrack DIGoutampl VALue Multichannel: SENSE2:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store	

Group	Command-Mnemonic	New
	CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store	
Anl Config	SENSe2:UNAuto ON OFF	
Anl Config	SENSe2:UNAuto2 ON OFF	
Anl Config	SENSe2:UNIT V DBV DBR FS :	
Anl Config	SENSe2:UNIT2 V DBV DBR FS :	
Anl Config	SENSe2:USERunit 'Unitstring'	
Anl Config	SENSe2:USERunit2 'Unitstring'	
Anl Config	SENSe3:DATA:ALL? SENSe3:DATA:ALL? MIN SENSe3:DATA:ALL? MAX Query only	
Anl Config	SENSe3:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSe3:FREQuency:APERture:MODE FAST PRECision	
Anl Config	SENSe3:FREQuency:LEFT <nu>	
Anl Config	SENSe3:FREQuency:LIMLower ON OFF	
Anl Config	SENSe3:FREQuency:LIMLower:VALue <nu>	
Anl Config	SENSe3:FREQuency:LIMUpper	

Group	Command-Mnemonic	New
	ON OFF	
Anl Config	SENSe3:FREQUency:LIMUpper:VALue <nu>	
Anl Config	SENSe3:FREQUency:REFerence <nu>	
Anl Config	SENSe3:FREQUency:REFerence:MODE Dual channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue Multichannel: VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store CH1Store ... CH16Store and STORe are actions, afterwards the internal state is VALue, so the query answer is VALue.	
Anl Config	SENSe3:FREQUency:RIGHT <nu>	
Anl Config	SENSe3:FREQUency:SETTling:COUNT <n>	
Anl Config	SENSe3:FREQUency:SETTling:MODE OFF EXPOntial FLAT AVERage	
Anl Config	SENSe3:FREQUency:SETTling:RESolution <nu>	
Anl Config	SENSe3:FREQUency:SETTling:TOLerance <nu> PCT	
Anl Config	SENSe3:FREQUency:SETTling:TOUT <nu>	
Anl Config	SENSe3:FREQUency:UNAuto ON OFF	
Anl Config	SENSe3:FREQUency:UNIT HZ	

Group	Command-Mnemonic	New
	DHZ DPCTHZ TERZ OCT DEC FFR	
Anl Config	SENSe3:FREquency:USERunit '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:LEFT <nu>	
Anl Config	SENSe3:PHASe:LIMLower ON OFF	
Anl Config	SENSe3:PHASe:LIMLower:VALue <nu>	
Anl Config	SENSe3:PHASe:LIMUpper ON OFF	
Anl Config	SENSe3:PHASe:LIMUpper:VALue <nu>	
Anl Config	SENSe3:PHASe:REFerence <nu> -360° ...+360° -6,32832 ... +6,32832 RAD	
Anl Config	SENSe3:PHASe:REFerence:MODE Dual Channel: STORE VALue GENTrack Multichannel: VALue GENTrack STORE is an action, the internal state is VALue, so the query answer is always VALue.	
Anl Config	SENSe3:PHASe:RIGHT <nu>	

Group	Command-Mnemonic	New
Anl Config	SENSe3:PHASe:SETTling:COUNT <n>	
Anl Config	SENSe3:PHASe:SETTling:MODE OFF EXPOntial FLAT AVERAge	
Anl Config	SENSe3:PHASe:SETTling:RESolution <nu>	
Anl Config	SENSe3:PHASe:SETTling:TOUT <nu>	
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	SENSe6:DATA:ALL? SENSe6:DATA:ALL? MIN SENSe6:DATA:ALL? MAX Query only	
Anl Config	SENSe6:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSe6:FUNCTion OFF LRMS DC PEAK	
Anl Config	SENSe6:REFerence <nu>	
Anl Config	SENSe6:REFerence:MODE Dual channel: CH1Store CH2Store STORE CH1Meas CH2Meas GENTrack VALue Multichannel: SENSe6:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store	

Group	Command-Mnemonic	New
	CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store	
Anl Config	SENSe6:UNAuto ON OFF	
Anl Config	SENSe6:UNAuto2 ON OFF	
Anl Config	SENSe6:UNIT V DBV DBR FS :	
Anl Config	SENSe6:UNIT2 V DBV DBR FS :	
Anl Config	SENSe6:USERunit 'Unitstring'	
Anl Config	SENSe6:USERunit2 'Unitstring'	
Anl Config	SENSe7:FUNcTION OFF ON	
Anl Config	SENSe7:MMODE STANdard COMPRessed USAMple	
Anl Config	SENSe7:TRIGger:AUTO ON OFF	
Anl Config	SENSe7:TRIGger:LEVel <nu>	
Anl Config	SENSe7:TRIGger:PRE <nu>	
Anl Config	SENSe7:TRIGger:SLOPe RISing FALLing	
Anl Config	SENSe7:TRIGger:SOURce Dual channel: CH1	

Group	Command-Mnemonic	New
	CH2 MANual GENBurst Multichannel: TRGChannel MANual	
Anl Config	SENSE7:TRIGger:TRCLength <nu>	
Anl Config	TRIGger:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16	
Anl Config	TRIGger:COUNt <n>	
Anl Config	TRIGger:DELay <nu>	
Anl Config	TRIGger:FREQUency:VARiation <nu>	
Anl Config	TRIGger:PLAYbefmeas ON OFF	
Anl Config	TRIGger:SOURce Dual channel: AUTO or AUTO or IMMEDIATE TIMer TCHart CH1Freq CH2Freq CH1Rapidfreq CH2Rapidfreq CH1Level CH2Level CH1Trigger CH2Trigger CH1Edgetrigger CH2Edgetrigger Multichannel: AUTO TIMer FREQUency RAPIdfreq LEVel	

Group	Command-Mnemonic	New
	TRIGger EDGettrigger	
Anl Config	TRIGger:TIMer <nu>	
Anl Config	TRIGger:VOLTage:VARiation <nu>	
Anl Funct	MMEMory:LOAD:FREQuency:SLCFrequency 'filename'	
Anl Funct	MMEMory:LOAD:IEQualize 'filename'	
Anl Funct	MMEMory:STORE:PWAVEform 'filename'	
Anl Funct	SENSe:BANDwidth <nu>	
Anl Funct	SENSe:BANDwidth:MODE PPCT1 PPCT3 POCT12 PTOC PFAS PFIx SPCT1 SPCT3 SOCT12 STOC SFAS SFIx	
Anl Funct	SENSe:CHANnel:DELAy <nu>	
Anl Funct	SENSe:DATA<ch>? <ch> = 1 ... 16	
Anl Funct	SENSe: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 PEMP5015	

Group	Command-Mnemonic	New
	PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE <i> = 1, 2 oder 3	
Anl Funct	SENSE:FREQuency <nu>	
Anl Funct	SENSE:FREQuency:FACTor <nu>	
Anl Funct	SENSE:FREQuency:LIMit ON OFF	
Anl Funct	SENSE:FREQuency:LIMit:LOWer <nu>	
Anl Funct	SENSE:FREQuency:LIMit:UPPer <nu>	
Anl Funct	SENSE:FREQuency:SElect CW or FIXed GENTrack CH1Freq Alias CH1 CH2Freq Alias CH2 AUToboth or AUTOboth Multichannel: SENSE:FREQuency:SElect CW or FIXed GENTrack REFFrequency AUToboth or AUTOboth	
Anl Funct	SENSE:FUNction OFF RMS RMSSelect PEAK QPEak SN DC FFT THD THDNsdr MDISt DFD DIM POLarity COHerence RUBBuzz RECord NOCTave PESQ PEAQ POLQa PLUGin	

Group	Command-Mnemonic	New
Anl Funct	<p>SENSE:FUNCTION:APERture:MODE</p> <p>For analyzer function RMS AFASt AUTO GENTrack VALue</p> <p>For analyzer function S/N in MeasMode Pos Peak, Neg Peak, Pk to Pk and Abs Peak FAST SFAST SLOW</p> <p>For analyzer function THD+N/SINAD WIDE MEDium NARRow</p>	
Anl Funct	<p>SENSE:FUNCTION:BARGraph</p> <p>ON OFF</p>	
Anl Funct	<p>SENSE:FUNCTION:DCSuppression</p> <p>ON OFF</p>	
Anl Funct	<p>SENSE:FUNCTION:DISTortion<i></p> <p>ON OFF</p> <p><i> = 2 ... 9 describes harmonics</p>	
Anl Funct	<p>SENSE:FUNCTION:DMODE</p> <p>FAST PRECision</p>	
Anl Funct	<p>SENSE:FUNCTION:FFT:AVERAge <n></p> <p>1 ... 10000</p>	
Anl Funct	<p>SENSE:FUNCTION:FFT:AVERAge:MODE</p> <p>OFF NORMAl EXPonential</p>	
Anl Funct	<p>SENSE:FUNCTION:FFT:CMPIFactor <n></p> <p><n> = 1,2,4,8,16,32,64,128,256,512,1024</p> <p>1 turns off undersampling.</p> <p>Query: If undersampling is turned off, query returns 1</p>	
Anl Funct	<p>SENSE:FUNCTION:FFT:MTIME?</p> <p>Query only</p>	
Anl Funct	<p>SENSE:FUNCTION:FFT:RESolution?</p> <p>Query only</p>	

Group	Command-Mnemonic	New
Anl Funct	SENSe:FUNcTion:FFT:Size S512 S1K S2K S4K S8K S16K S32K S64K S128K S256K	
Anl Funct	SENSe:FUNcTion:FFT:SPAN R2 R4 R8 R16 R32 R64 R128 R256 Query only	
Anl Funct	SENSe:FUNcTion:FFT:STARt? Query only	
Anl Funct	SENSe:FUNcTion:FFT:STATe ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:STOP? Query only	
Anl Funct	SENSe:FUNcTion:FFT:TRIGgered ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:USAMple ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:WINDow RECTangular HANN BLACKman_harris RIF1 RIF2 RIF3 HAMMing FLATtop	
Anl Funct	SENSe:FUNcTion:MMODE Peak PPEak NPEak PTOPeak PABSolut SN	

Group	Command-Mnemonic	New
	RMS QPEak PPEak NPEak PTOPeak PABSolut THD SElectdi LSElectdi DALL LDALI DODD LDODd DEVen LDEVen THD+N THDN LTHDn SNDRatio Alias SINad NOISe LNOise DFD D2_268 or D2 D3_268 or D3 D2_118 D3_118 NOCTave OCT1 OCT3 OCT6 OCT12 OCT24 CBANd PESQ PEAQ DUT OFFLine	
Anl Funct	SENSe:FUNcTion:PEAQ:DELDetect <nu>	
Anl Funct	SENSe:FUNcTion:PEAQ:VERsion BASic ADVanced	
Anl Funct	SENSe:FUNcTion:PESQ:ACCording PP862 PPSI862 or PSILence PPSP862 or PSPEach MP8621 MP8622 MPSI8621 MPSP8621 MPSI8622 MPSP8622	

Group	Command-Mnemonic	New
Anl Funct	SENSe:FUNcTion:PESQ:AVGDelay? Alias SENSe:FUNcTion:PEAQ:AVGDelay? Alias SENSe:FUNcTion:POLQa:AVGDelay? Query only	
Anl Funct	SENSe:FUNcTion:PESQ:DEGLLevel? Alias SENSe:FUNcTion:PEAQ:DEGLLevel? Alias SENSe:FUNcTion:POLQa:DEGLLevel? Query only	
Anl Funct	SENSe:FUNcTion:PESQ:REFLevel? Alias SENSe:FUNcTion:PEAQ:REFLevel? Alias SENSe:FUNcTion:POLQa:REFLevel? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:ATTenuation? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:AUTOgain ON OFF Only available if UPV-K63 is installed	
Anl Funct	SENSe:FUNcTion:POLQa:AVERaging OFF ON	(new)
Anl Funct	SENSe:FUNcTion:POLQa:DEGSpratio? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:GAIN <nu>	
Anl Funct	SENSe:FUNcTion:POLQa:MAXDelay? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:MINDelay? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:REFSpratio? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:SNRDeg? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:SNRRef? Query only	
Anl Funct	SENSe:FUNcTion:RECOrd:BPS AUTO	

Group	Command-Mnemonic	New
	L8 L16 L32	
Anl Funct	SENSe:FUNcTion:REcOrd:FILE 'filename'	
Anl Funct	SENSe:FUNcTion:REcOrd:FLENGth? Query only	
Anl Funct	SENSe:FUNcTion:REcOrd:LENGth <nu>	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:LEVel <nu>	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:PRE <nu>	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:SLOPe RISing FALLing	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:SOURce CH1 CH2 MANual GENBurst	
Anl Funct	SENSe:FUNcTion:REFNment N1 N2 N4 N8	
Anl Funct	SENSe:FUNcTion:SETTling:COUNt <n>	
Anl Funct	SENSe:FUNcTion:SETTling:MODE OFF EXPOntial FLAT AVERAge	
Anl Funct	SENSe:FUNcTion:SETTling:RESolution <nu>	
Anl Funct	SENSe:FUNcTion:SETTling:TOLerance <nu> PCT	
Anl Funct	SENSe:FUNcTion:SETTling:TOUT <nu>	
Anl Funct	SENSe:FUNcTion:SNSequence ON OFF	
Anl Funct	SENSe:NOTCh DB0 DB12 DB30 OFF	
Anl Funct	SENSe:NOTCh:FREQUency <nu>	
Anl Funct	SENSe:NOTCh:FREQUency:MODE VALue GENTrack	
Anl Funct	SENSe:PLUGin:CONFig:DSTRing 'xxx'	
Anl Funct	SENSe:PLUGin:CONFig:SHOW ON OFF	

Group	Command-Mnemonic	New
Anl Funct	SENSe:PLUGin:DLL 'DLL-Filename'	
Anl Funct	SENSe:PLUGin:INFO? Query only	
Anl Funct	SENSe:SWEEp:CONTRol OFF ASWEEP ALISt	
Anl Funct	SENSe:SWEEp:POINts <n>	
Anl Funct	SENSe:SWEEp:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Anl Funct	SENSe:SWEEp:STARt <nu>	
Anl Funct	SENSe:SWEEp:STEP <nu>	
Anl Funct	SENSe:SWEEp:STOP <nu>	
Anl Funct	SENSe:THDN:REJection NARRow WIDE	
Anl Funct	SENSe:UNAuto ON OFF	
Anl Funct	SENSe:UNAuto2 ON OFF	
Anl Funct	SENSe:UNIT V DBV DBR FS :	
Anl Funct	SENSe:UNIT2 V DBV DBR FS :	
Anl Funct	SENSe:USERunit 'Unitstring'	
Anl Funct	SENSe:USERunit2 'Unitstring'	
Anl Funct	SENSe:VOLTage:APERture <nu>	
Anl Funct	SENSe:VOLTage:EQUalize ON OFF	
Anl Funct	SENSe:VOLTage:FUNDamental <nu>	
Anl Funct	SENSe:VOLTage:FUNDamental:MODE AUTO VALue GENTrack	

Group	Command-Mnemonic	New
Anl Funct	SENSe:VOLTage:INTVtime <nu>	
Anl Funct	SENSe:VOLTage:INTVtime:MODE SFASt (for Peak measurement only) FAST (for Peak measurement only) SLOW (for Peak measurement only) FIXed or FIX3 (for QuasiPeak only) VALue (for Peak and QuasiPeak)	
Anl Proto	SENSe8:FUNcTION OFF ON	
Anl Proto	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	
Anl Proto	SENSe8:PROTOcol:DISPlay ON OFF	
Anl Proto	SENSe8:PROTOcol:ERRor:PCM<i>? SENSe8:PROTOcol:ERRor:PAR<i>? SENSe8:PROTOcol:ERRor:LOC<i>? SENSe8:PROTOcol:ERRor:CRC<i>? SENSe8:PROTOcol:ERRor:INV<i>? <i> = 1 or 2 for Ch 1 or Ch 2 Query only "0" = no error "1" = error	
Anl Proto	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:HIGHlight NOTHing FOUtput	

Group	Command-Mnemonic	New
	BETween FStart	
Anl Proto	SENSe8:PROTOcol:MODE AUTomatic or AUTOMATIC CONSUMER PROFESSIONAL	
Anl Proto	SENSe8:PROTOcol:PERSistence SHORT LONG FOREver	
Anl Proto	SENSe8:PROTOcol:VIEW BINText BINonly	
Anlr Funct	SENSe:FUNCTion:POLQa:BAND NARROW WIDE	
Aud Mon	AUXiliaries:AAUXout DC AUDM1 or GENERator	
Aud Mon	AUXiliaries:AUDMonitor ON OFF	
Aud Mon	AUXiliaries:DCValue <nu> <nu> -2,5 ... 2,5 V	
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 FUNCTion GENERator	
Aud Mon	AUXiliaries:SPEaker:VOLume <n> <n> -120 ... +120	
Config	SYSTem:CHNString 'String' String: 'Ch1;;Ch2;;Ch3;;Ch4;; ;;Ch16'	
Config	SYSTem:COMMunicate:GPIB:ADDRess <n> <n> = 0 ... 31	
Config	SYSTem:DISPlay:SCPIUpdate	

Group	Command-Mnemonic	New
	OFF ON	
Config	SYSTem:HELP:LANGUage ENGLish GERMan	
Config	SYSTem:MAXChdisp <n> <n> = 1 ... 16	
Config	SYSTem:PLUGIn:CONFIg:DSTRing 'xxx'	
Config	SYSTem:PLUGIn:CONFIg:SHOW ON OFF	
Config	SYSTem:PLUGIn:DISPlay:SHOW ON OFF	
Config	SYSTem:PLUGIn:DLL 'DLL-Filename'	
Config	SYSTem:PLUGIn:INFO? Query only	
Config	SYSTem:PROFile:CLIPboard 'Filename'	
Config	SYSTem:PROFile:FILE 'Filename'	
Config	SYSTem:PROFile:PRINter 'Filename'	
Config	SYSTem:PROFile:SCREen 'Filename'	
Config	SYSTem:QLONG OFF ON	
Config	SYSTem:WINStyle OFF ON	
Diagnostic	DIAGnostic:PASSword "Password" The password is not disclosed here! The query answer is 'Passwrđ ok', not the actual password.	
Display	DISPlay:SCREen <n> <n> = 1...5	
Display	DISPlay:Subsys:COPIYother:CFG 'String' Not for subsystem WAVeform. This command is allowed only for the first window of a subsystem, otherwise error message. Valid keywords in 'String': SCAN Y-SOURCE Y-LABEL Y-UNIT REFERENCE Y-SCALE LIMIT	

Group	Command-Mnemonic	New
	X-SOURCE X-AXIS LEGEND STORE TRACE Example: "Y-UNIT,LIMIT,Y-LABEL,Y-SOURCE"	
Display	DISPlay:Subsys<i>:A B:BOTTom <nu>	
Display	DISPlay:Subsys<i>:A B:CHANnel CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16	
Display	DISPlay:Subsys<i>:A B:LABEL:AUTO ON OFF	
Display	DISPlay:Subsys<i>:A B:LABEL:USER 'string'	
Display	DISPlay:Subsys<i>:A B:LEGend:DESCRiption "String"	
Display	DISPlay:Subsys<i>:A B:LEGend:SHOW ON OFF	
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:FILE 'filename'	
Display	DISPlay:Subsys<i>:A B:LIMLower:SOURce:VALue <nu>	
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	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i><i>:A B:LIMUpper:SOURce VALue HOLD FILE IFILE	
Display	DISPlay:Subsys<i><i>:A B:LIMUpper:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:A B:LIMUpper:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i><i>:A B:MARKer:HARMonics ON OFF	
Display	DISPlay:Subsys<i><i>:A B:MARKer:MODE OFF FIXed TRKMax	
Display	DISPlay:Subsys<i><i>:A B:MARKer:SETTo:OCURsor ONCE or EXEC DISPlay:Subsys<i><i>:A B:MARKer:SETTo:XCURsor ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:A B:MARKer:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><i>:A B:NORMalize OFF VALue OCURsor XCURsor All subsystems except WAVeform, PESQ and Impulse Response	
Display	DISPlay:Subsys<i><i>:A B:NORMalize:VALue <nu> All subsystems except WAVeform, PESQ and Impulse Response	
Display	DISPlay:Subsys<i><i>:A B:REFerence MEASpanel VALue MAXimum XCURsor OCURsor REF997 REF1000 CH1Meas CH2Meas GENTrack FILE HOLD IFILE NOISedensity DBNOisedensity MREFchannel	
Display	DISPlay:Subsys<i><i>:A B:REFerence:FILE 'filename'	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i><i>:A B:REfERENCE:VALue <nu>	
Display	DISPlay:Subsys<i><i>:A B:SPACing LInear LOGarithmic	
Display	DISPlay:Subsys<i><i>:A B:TOP <nu>	
Display	DISPlay:Subsys<i><i>:A B:UNIT V DBV DBU :	
Display	DISPlay:Subsys<i><i>:A B:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:A B:UNIT:TRACk ON OFF	
Display	DISPlay:Subsys<i><i>:A B:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:A B:UPDate ALIVE HOLD	
Display	DISPlay:Subsys<i><i>:A B:YSOURce SWEEp 2-kanalig: OFF FUNC1 FUNC2 FREQ1 FREQ2 PHASe GROUpdelay LMRM1 LMRM2 LMDC1 LMDC2 LMPK1 LMPK2 INPP1 INPP2 FILEA FILEB SWEEp 8-kanalig: OFF FUNction FREQuency PHASe GROUpdelay LMRMs LMDC LMPK INPPeak FILEA FILEB	

Group	Command-Mnemonic	New
	<p>FFT 2-kanalig: OFF FFTL1 FFTL2 FFTP1 FFTP2 FILEA FILEB FFTP21</p> <p>FFT 8-kanalig: FFTLevel FFTPHase FFTRefchphase FILEA FILEB</p> <p>WAVEform 2-kanalig: OFF LEV1 LEV2 FILEA FILEB</p> <p>WAVEform 8-kanalig: OFF LEVel FILEA FILEB</p> <p>BARGraph 2-kanalig: OFF FUNC1 FUNC2 FILEA FILEB</p> <p>BARGraph 8-kanalig: OFF FUNCTion FILEA FILEB</p> <p>PESQ und PESQ 8-kanalig OFF PEMO DELay REFSignal DEGSignal DROPOuts FILEA FILEB</p> <p>Impulse Response OFF LEV1 FILEA FILEB</p>	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i><i>:A B:YSource:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:DLISt:FILTer ALL LIMUpper LIMLower LIMBoth HARMonics PEAKs	
Display	DISPlay:Subsys<i><i>:MCHMode ON OFF Subsys = SWEep, FFT, WAV, BARG	
Display	DISPlay:Subsys<i><i>:MINMax ON OFF Subsys = SWEep, FFT, PESQ, BARGraph, IMPR	
Display	DISPlay:Subsys<i><i>:OCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><i>:OCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MAX ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MAX ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MIN ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MIN ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><i>:OCURsor:SETTo:MRKA ONCE or EXEC DISPlay:Subsys<i><i>:XCURsor:SETTo:MRKA ONCE or EXEC ONCE or EXEC are not necessary No query	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i>:OCURsor:SETTo:MRKB ONCE or EXEC DISPlay:Subsys<i>:XCURsor:SETTo:MRKB ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i>:OCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i>:OCURsor:SETTo:YPOS <nu> Horizontal cursor only	
Display	DISPlay:Subsys<i>:OCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i>:OCURsor:Y? Query only	
Display	DISPlay:Subsys<i>:SCANoffset <n> <i> = 1, 2, 3, 4 <n> = -19 -18 : 0 1 (MIN) 2 (MAX) Query and command logging show the numerical value 2 for MAX and 1 for MIN	
Display	DISPlay:Subsys<i>:TITLe:DESCRiption "String"	
Display	DISPlay:Subsys<i>:TITLe:SHOw ON OFF	
Display	DISPlay:Subsys<i>:TRACk:LIMit ON OFF	
Display	DISPlay:Subsys<i>:TRACk:REFerence ON OFF	
Display	DISPlay:Subsys<i>:TRACk:SCALing ON OFF	
Display	DISPlay:Subsys<i>:X:LABel:AUTO ON OFF	
Display	DISPlay:Subsys<i>:X:LABel:USER 'string'	
Display	DISPlay:Subsys<i>:X:LEfT <nu>	
Display	DISPlay:Subsys<i>:X:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i>:X:RIghT <nu>	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i><i>:X:SCALing AUTo or AUTO MANual	
Display	DISPlay:Subsys<i><i>:X:SPACing LINear LOGarithmic	
Display	DISPlay:Subsys<i><i>:X:UNIT HZ DHZ :	
Display	DISPlay:Subsys<i><i>:X:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:X:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:XCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><i>:XCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTO:YPOS <nu> Horizontal cursor only	
Display	DISPlay:Subsys<i><i>:XCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i><i>:XCURsor:Y? Query only	
Display	DISPlay:SWEep<i><i>:HISTory <n> <n> = 2 ... 20 Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:SMODE SINGlescan MULTiscan Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:X:AXIS TIME VOLTage FREQUency PHASe VDIGital	

Group	Command-Mnemonic	New
	JPKamplitude	
Display	DISPlay:SWEep<i>:X:SOUrce SWEep HOLD MANual LRMS LDC LPEak FREQuency	
Display	MMEMory:Subsys<i>:LIMit:OFFSet:VALue <nu>	
Display	SENSe:CONFig:COPIother ONCE or EXEC ONCE or EXEC are not necessary	
Display	SENSe2:CONFig:COPIother ONCE or EXEC ONCE or EXEC are not necessary	
Display	SENSe6:CONFig:COPIother ONCE or EXEC ONCE or EXEC are not necessary	
Filter	SENSe:UFILter<i> HPASs LPASs BPASs BSTOp BSTOp NOTCh TOCTave OCTave FILE <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:ATTenuation <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:CENTer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:DELay <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:FNAMe 'filename' <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:ORDER N4 N8 <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb:LOWer <nu> <i> = 1 ... 9	

Group	Command-Mnemonic	New
Filter	SENSe:UFILter<i>:PASSb:UPPer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:STOPb:LOWer? <i> = 1 ... 9 Query only!	
Filter	SENSe:UFILter<i>:STOPb:UPPer? <i> = 1 ... 9 Query only!	
Filter	SENSe:UFILter<i>:STOPb? <i> = 1 ... 9 Query only!	
Filter	SENSe:UFILter<i>:WIDTh <nu> <i> = 1 ... 9	
Gen Config	INSTRument Alias INSTRument:SElect ANLG or A25 DIG or D48 I2SBoard or I2S IMPairment U2Channel Alias INSTRument:NSElect 1 2 3 4 5 6 1 = ANLG 2 or 3 = DIG 4 = I2SBoard 5 = IMPairment 6 = U2CHannel	
Gen Config	OUTPut ON OFF	
Gen Config	OUTPut:AUDIobits <n>	
Gen Config	OUTPut:AUXiliary:OUTPut AOUTput AINPut AINReclock RGENerator AUXin	
Gen Config	OUTPut:BANDwidth:MODE B22 B40 B80 AUTO or AUTO SIN185	(new)
Gen Config	OUTPut:BCLK:FREQuency? Query only	
Gen Config	OUTPut:BCLock:JITAmplitude <nu>	
Gen Config	OUTPut:BCLock:JITFrequency <nu>	

Group	Command-Mnemonic	New
Gen Config	OUTPut:BSLope RISing FALLing	
Gen Config	OUTPut:CHANnel OFF CH1 CH2 CH2Is1	
Gen Config	OUTPut:CLOCK CONTInous GATed	
Gen Config	OUTPut:CODing NONE ALAW ULAW	
Gen Config	OUTPut:CSIMulator OFF SIMLong	
Gen Config	OUTPut:FBIT MSB LSB	
Gen Config	OUTPut:FOFFset <n>	
Gen Config	OUTPut:FORMat SI2S USERdefined	
Gen Config	OUTPut:FSHape SQUpuls BITPulse	
Gen Config	OUTPut:FSLope RISing FALLing	
Gen Config	OUTPut:FSYNc:FREQuency? Query only	
Gen Config	OUTPut:FWIDth ONEBit ONESlot SQUare VALue	
Gen Config	OUTPut:FWIDth:VALue <n>	
Gen Config	OUTPut:IMPedance R10 R200 R600	
Gen Config	OUTPut:IMPedance:UNBalanced? Query only Answer always 5 Ohm	
Gen Config	OUTPut:INTClockfreq <nu>	
Gen Config	OUTPut:LBITs <n>	

Group	Command-Mnemonic	New
Gen Config	OUTPut:LOGVoltage MV0900 MV1200 MV1500 MV1800 MV2500 MV3300	
Gen Config	OUTPut:LOW FLOat GROund	
Gen Config	OUTPut:MCLKratio M64 M96 M128 M192 M256 M384 M512	
Gen Config	OUTPut:MCLock:JITAmplitude <nu>	
Gen Config	OUTPut:MCLock:JITFrequency <nu>	
Gen Config	OUTPut:MRATio <n>	
Gen Config	OUTPut:MSAMplefrequency ON OFF	
Gen Config	OUTPut:NOSLots <n>	
Gen Config	OUTPut:POLarity For OUTP:FPU SQU OUTPut:POLarity LFTLow LFTHigh For OUTP:FPU BITP OUTPut:POLarity NEGative POSitive	
Gen Config	OUTPut:RATio <n> <n> = 2 ... 12	
Gen Config	OUTPut:RESYnc ONCE or EXEC are not necessary	
Gen Config	OUTPut:SAMple:FREQuency <nu>	
Gen Config	OUTPut:SAMple:MODE For generator instrument DIGITAL: F32 F44 F48 F88 F96 F176 F192 SYNChron	

Group	Command-Mnemonic	New
	VALue For generator instrument I2SBOARD: F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue	
Gen Config	OUTPut:SIGNal:BALanced:LEVel <nu>	
Gen Config	OUTPut:SIGNal:LEVel <nu>	
Gen Config	OUTPut:SLCOffset <n>	
Gen Config	OUTPut:SLCSlope RISing FALLing	
Gen Config	OUTPut:SLCWidth ONEBit SQUare VALue	
Gen Config	OUTPut:SLCWidth:VALue <n>	
Gen Config	OUTPut:SLTLength <n>	
Gen Config	OUTPut:SPFRame <n>	
Gen Config	OUTPut:SYNC:OUTPut ADOutput ADINput AXINput GSYPll JRFPII AXOutput SYINput ICLock or INTClock	
Gen Config	OUTPut:SYNC:TYPE WCLock BCLock	
Gen Config	OUTPut:TXData<i> "String" <i> = 1 ... 4	
Gen Config	OUTPut:TYPE BALanced UNBalanced CTESt	
Gen Config	OUTPut:UNBalanced:OUTPut AOUTput AINPut	

Group	Command-Mnemonic	New
Gen Config	OUTPut:WLENgth W16 W24 W32	
Gen Config	OUTPut:WOffset <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:FRAMePhase <nu> <n> = -64 UI ... 64 UI	
Gen Config	SOURce:FREQuency:REFerence <nu>	
Gen Config	SOURce:IMPairment ON OFF	
Gen Config	SOURce:PTORef OFF VALue	
Gen Config	SOURce:REFerence AZERo AONE	
Gen Config	SOURce:SRCMoDe JITTer COMMOn	
Gen Config	SOURce:SYNC:TO For generator instrument Digital Audio: INTClock or GCLock AINPut AUXinput or RINPut SINPut SINVinput For generator instrument I2S Board: INTern EXTMasterclock EXTWordclock For generator instrument USI Dual Chan: ICLock EMASterclock EFSYnc EFAMon EFBCIk	
Gen Config	SOURce:VOLTagE:MAXimum <nu>	
Gen Config	SOURce:VOLTagE:RANGe AUTO FIX	
Gen Config	SOURce:VOLTagE:REFerence <nu>	

Group	Command-Mnemonic	New
Gen Funct	MMEMory:LOAD:ARBitrary 'filename'	
Gen Funct	MMEMory:LOAD:DWELI 'filename'	
Gen Funct	MMEMory:LOAD:FREQuency 'file'	
Gen Funct	MMEMory:LOAD:INTerval 'filename'	
Gen Funct	MMEMory:LOAD:OEQualize 'filename' Alias MMEMory:LOAD:STEReo1:OEQualize 'filename'	
Gen Funct	MMEMory:LOAD:ONTime 'filename'	
Gen Funct	MMEMory:LOAD:PHASe 'filename'	
Gen Funct	MMEMory:LOAD:STEReo2:OEQualize 'filename'	
Gen Funct	MMEMory:LOAD:VOLTage 'filename'	
Gen Funct	SOURce:AM:MODE OFF SINusoid BURSt	
Gen Funct	SOURce:BANDwidth F30 F100	
Gen Funct	SOURce:DIM DIMA DIMB DIMS	
Gen Funct	SOURce:FILTer Alias SOURce:STEReo: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 PEMP5015	

Group	Command-Mnemonic	New
	PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Gen Funct	SOURce:FILTer:CHANnels TRACk SPLit	
Gen Funct	SOURce:FREQUency <nu>	
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<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:FREQUency2 <nu>	
Gen Funct	SOURce:FUNction SINusoid STEReo MULTisine BURSt S2Pulse MDISt DFD DIM RANDom ARBitrary POLarity MODulation or FM DC SQUare PLAY PLYAnlr or O131 CHIRp	
Gen Funct	SOURce:FUNction:MODE for Multisinus: EQUalvoltage DEFinedvoltage for DFD: IEC268 IEC118 for Modulation:	

Group	Command-Mnemonic	New
	AM FM	
Gen Funct	SOURce:INTerval <nu>	
Gen Funct	SOURce:LOOP:CHANnel OFF CH1 CH2 STEReo CROSSsed	
Gen Funct	SOURce:LOOP:GAIN <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>] <nu> <i> = 1 ... 32 <nu> = 0 ... 360 °	
Gen Funct	SOURce:PLAY:CHANnel MLEft MRIGHt STEReo	
Gen Funct	SOURce:PLAY:DELay<i> <nu> <i>: 1 = Ch1, 2 = Ch2	
Gen Funct	SOURce:PLAY:MODE TOCont TOSingle TICont TISingle	
Gen Funct	SOURce:PLAY:MUTing OFF AFTermeas	(new)
Gen Funct	SOURce:PLAY:REStart OFF AUTO ONCE ONCE is a single action, so the query answer depends of the previous state and is always OFF or AUTO.	
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	

Group	Command-Mnemonic	New
	RECTangle	
Gen Funct	SOURce:RANDom:SHAPE WHITE PINK TOCTave FILE or 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:STEReo2:FILTer OFF UFIL1 : CWE	
Gen Funct	SOURce:SWEep:CONTRol OFF ASWweep ALISt	
Gen Funct	SOURce:SWEep:DWELI <nu> 10 ms ... 1000 s	
Gen Funct	SOURce:SWEep:FREQuency:HALT START VALue MUTE	
Gen Funct	SOURce:SWEep:FREQuency:HALT:VALue <nu>	
Gen Funct	SOURce:SWEep:FREQuency:POINts <n>	
Gen Funct	SOURce:SWEep:FREQuency:SPACing LINSteps LOGSteps LINPoints LOGPoints	
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:HALT START VALue MUTE	
Gen Funct	SOURce:SWEep:INTerval:HALT:VALue <nu>	
Gen Funct	SOURce:SWEep:INTerval:POINts <n>	
Gen Funct	SOURce:SWEep:INTerval:SPACing LINSteps LOGSteps	

Group	Command-Mnemonic	New
	LINPoints LOGPoints	
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 DWEI ASYNc LIST	
Gen Funct	SOURce:SWEEp:ONTime:HALT START VALue MUTE	
Gen Funct	SOURce:SWEEp:ONTime:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:ONTime:POINts <n>	
Gen Funct	SOURce:SWEEp:ONTime:SPACing LINSteps LOGSteps LINPoints LOGPoints	
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:HALT START VALue MUTE	
Gen Funct	SOURce:SWEEp:PHASe:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:PHASe:POINts <n>	
Gen Funct	SOURce:SWEEp:PHASe:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEEp:PHASe:START <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STEP <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STOP <nu>	
Gen Funct	SOURce:SWEEp:VOLTag:e:HALT START VALue MUTE	
Gen Funct	SOURce:SWEEp:VOLTag:e:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:VOLTag:e:POINts <n>	
Gen Funct	SOURce:SWEEp:VOLTag:e:SPACing LINSteps LOGSteps	

Group	Command-Mnemonic	New
	LINPoints LOGPoints	
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 INTerval or INTervall PHASe	
Gen Funct	SOURce:SWEEp:ZAXis OFF FREQuency VOLTage ONTIme INTerval or INTervall PHASe	(new)
Gen Funct	SOURce:VOLTage <nu>	
Gen Funct	SOURce:VOLTage:AM <nu>	
Gen Funct	SOURce:VOLTage:CH2Stereo <nu>	
Gen Funct	SOURce:VOLTage:CREStfactor:MODE MINimized DPHase	
Gen Funct	SOURce:VOLTage:EQUalize Alias SOURce:VOLTage:STEReo:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:EQUalize:CHANnels TRACk SPLit	
Gen Funct	SOURce:VOLTage:LOWLevel <nu>	
Gen Funct	SOURce:VOLTage:OFFSet:CHANnels TRACk SPLit	
Gen Funct	SOURce:VOLTage:OFFSet:STATe ON OFF CH1And2 (Stereo Sinus only)	
Gen Funct	SOURce:VOLTage:OFFSet<ch> <nu>	
Gen Funct	SOURce:VOLTage:RATio <n>	
Gen Funct	SOURce:VOLTage:SElect VLRT VLVL	
Gen Funct	SOURce:VOLTage:STEReo2:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:TOTal <nu>	

Group	Command-Mnemonic	New
Gen Funct	SOURce:VOLTage:TOTal:GAIN <nu>	
Gen Funct	SOURce:VOLTage<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:VOLTage<i>:RMS <nu>	
Gen Funct	SOURce:VOLTage2 <nu>	
Gen Proto	SOURce:PROTOcol:AZERo ONCE or EXEC ONCE or EXEC are not necessary 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:FILE 'filename'	
Gen Proto	SOURce:PROTOcol:MODE AUTomatic or AUTOMATIC PROFessional CONSUMER FILE	
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 Alias HCOPY:IMMEDIATE	
Hardcopy	HCOPY:DESTINATION PRINter or PRPCx or PRSPc FILE CLIPboard	
Hardcopy	HCOPY:FILE 'name'	

Group	Command-Mnemonic	New
Hardcopy	HCOPY:FILE:MODE NEW OVERwrite INCRement	
Hardcopy	HCOPY:GSIZe "String" "String" e.g. 800x600	
Hardcopy	HCOPY:PRINter:ADDition OFF ON	
Hardcopy	HCOPY:PRINter:FOOTer 'text'	
Hardcopy	HCOPY:PRINter:HEADer 'text'	
Hardcopy	HCOPY:PRINter:ORlentation PORTrait LANDscape	
Hardcopy	HCOPY:SOURce WINDow GRAPhics	
Load Setup	MMEMory:LOAD:STATe "filename"	
Load Trc	FORMat REAL ASCii	
Load Trc	TRACe:Subsys<i></i>:LDList:AX? TRACe:Subsys<i></i>:LDList:AY? TRACe:Subsys<i></i>:LDList:BX? TRACe:Subsys<i></i>:LDList:BY? Query only	
Load Trc	TRACe:Subsys<i></i>:LDList:COUNT:AX? TRACe:Subsys<i></i>:LDList:COUNT:AY? TRACe:Subsys<i></i>:LDList:COUNT:BX? TRACe:Subsys<i></i>:LDList:COUNT:BY? Query only	
Load Trc	TRACe:Subsys<i></i>:LOAD:AX? TRACe:Subsys<i></i>:LOAD:AY? TRACe:Subsys<i></i>:LOAD:BX? TRACe:Subsys<i></i>:LOAD:BY? Query only	
Load Trc	TRACe:Subsys<i></i>:LOAD:COUNT:AX? TRACe:Subsys<i></i>:LOAD:COUNT:AY? TRACe:Subsys<i></i>:LOAD:COUNT:BX? TRACe:Subsys<i></i>:LOAD:COUNT:BY? Query only	
Special	DATA:Subsys:COUNT:X? DATA:Subsys:COUNT:Y<ch>? Query only:	

Group	Command-Mnemonic	New
	<ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT <i>Subsys</i> without window specification!	
Special	DATA: <i>Subsys</i> :X? DATA: <i>Subsys</i> :Y<ch>? Query only: <ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT <i>Subsys</i> without window specification!	
Special	INITiate No query	
Special	INITiate:CONTinuous ON OFF WAIT RStart	
Special	INITiate:CONTinuous:TIMEout <nu> <nu> 0 ... 1000s 0s is the same as INIT:CONT ON	
Special	INITiate:FORCe START STOP SINGle CONTinuous Alias ABORt is the same as SCPI command INITiate:FORCe STOP No query	
Special	OUTPut ON OFF	
Special	STATus:OPERation? Alias STATus:OPERation:EVENT? STATus:OPERation:CONDition? STATus:OPERation:ENABLE <n> STATus:OPERation:PTRansition <n> STATus:OPERation:NTRansition <n> STATus:QUEStionable? Alias STATus:QUEStionable:EVENT? STATus:QUEStionable:CONDition? STATus:QUEStionable:ENABLE <n> STATus:QUEStionable:PTRansition <n> STATus:QUEStionable:NTRansition <n>	

Group	Command-Mnemonic	New
	<p>STATus:XQUEstionabl? Alias STATus:XQUEstionabl:EVENT?</p> <p>STATus:XQUEstionabl:CONDition? STATus:XQUEstionabl:ENABLE <n> STATus:XQUEstionabl:PTRansition <n> STATus:XQUEstionabl:NTRansition <n></p> <p>STATus:QUEStionable:MEASuring? Alias STATus:QUEStionable:MEASuring:EVENT?</p> <p>STATus:QUEStionable:MEASuring:CONDition? STATus:QUEStionable:MEASuring:ENABLE <n> STATus:QUEStionable:MEASuring:PTRansition <n> STATus:QUEStionable:MEASuring:NTRansition <n></p> <p>STATus:QUEStionable:OVERrange? Alias STATus:QUEStionable:OVERrange:EVENT?</p> <p>STATus:QUEStionable:OVERrange:CONDition? STATus:QUEStionable:OVERrange:ENABLE <n> STATus:QUEStionable:OVERrange:PTRansition <n> STATus:QUEStionable:OVERrange:NTRansition <n></p> <p>STATus:QUEStionable:UNDerrange? Alias STATus:QUEStionable:UNDerrange:EVENT?</p> <p>STATus:QUEStionable:UNDerrange:CONDition? STATus:QUEStionable:UNDerrange:ENABLE <n> STATus:QUEStionable:UNDerrange:PTRansition <n> STATus:QUEStionable:UNDerrange:NTRansition <n></p> <p>UNDerrange Alias UNDERrange <n> = Unsigned Integer 0 ... 65535</p> <p>STATus:QUEue[:NEXT]? STATus:PRESet</p>	
Special	<p>SYSTem:DISPlay:EXPLAnation<i>:HIDE</p> <p><i> = 1...10</p> <p>No query</p>	
Special	<p>SYSTem:DISPlay:EXPLAnation<i>:SHOW 'String'</p> <p>String = 'x=0,y=10,w=200,h=100'</p> <p><i> = 1...10</p> <p>No query</p>	
Special	<p>SYSTem:DISPlay:EXPLAnation<i>:TEXT "<RTF-Text>"</p>	

Group	Command-Mnemonic	New
	<i> = 1...10 No query	
Special	SYSTem:MEMory:DATA<i> <n,n,n,...,n> Or SYSTem:MEMory:DATA<i> #<LengthofLength><Length><Binary data as float> <i> = 1 ... 16	
Special	SYSTem:MEMory:FREE STRing DATA No query	
Special	SYSTem:MEMory:STRing<i> 'String' <i> = 1 ... 1024 Stringlength max. 540 Byte	
Special	SYSTem:PROGramm:EXECute 'xxx.exe'	
Special	SYSTem:SHUtdown SYSTem:SHUtdown <nu> No query	
Special	SYSTem:SINFo 'String'	
Special	SYSTem:SINFo:MAC? Query only	
Special	SYSTem:VERSion? Query only Answer always 1999.0	
Store Setup	MMEMory:STORe:STATe "filename"	
Store Trc	MMEMory:Subsys<i>:EQUalization:INVert ON OFF Subsys = SWEep, FFT	
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	

Group	Command-Mnemonic	New
Store Trc	MMEMemory:Subsys<i></i>:STORE "filename.trc"	
Store Trc	MMEMemory:Subsys<i></i>:TRACe A B	
Store Trc	TRACe:SWE<i></i>:STORE:AX <n,n,n,n> TRACe:Subsys<i></i>:STORE:AY <n,n,n,n> TRACe:SWE<i></i>:STORE:BX <n,n,n,n> TRACe:Subsys<i></i>:STORE:BY <n,n,n,n,n> May be a set of ASCII data <n,n, ,n,n> or a set of binary data #<LengthofLength><Length><Binary data as float> AX and BX only for SWEep Subsystem! To manipulate a sweep axis, it is strictly recommended to set the X-Source to "Manual" No query Query replacement is the command TRACe:Subsys<i></i>:LOAD:AX AY BX BY?	
Switcher	SWITcher:COMPort COM3 COM4 COM5 COM6 AUTO	(new)
Switcher	SWITcher:CONNection COM USB	
Switcher	SWITcher:INPA <n>	
Switcher	SWITcher:INPB <n>	
Switcher	SWITcher:OFFSet:BVSA <n>	
Switcher	SWITcher:OFFSet:OVSI <n>	
Switcher	SWITcher:OUTA <n>	
Switcher	SWITcher:OUTB <n>	
Switcher	SWITcher:STATe ON OFF	
Switcher	SWITcher:TRACking OFF BVSA or CH2V OVSI or OVI ALL	
Trigger	AUXiliaries:TRIGger:INPut:EDGE RISing FALLing	
Trigger	AUXiliaries:TRIGger:INPut:ENABle ON OFF	
Trigger	AUXiliaries:TRIGger:INPut:MODE MSINgle	

Group	Command-Mnemonic	New
	MCONtstop MStart	
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 sorted List of Remote Control Commands

Group	Command-Mnemonic	New
Adjust	ADJust:JITTer:AUTO ONCE or EXEC Query answer always OFF	
Adjust	ADJust:LDG:AUTO ONCE or EXEC Query answer always OFF	
Adjust	ADJust:SECGen:AUTO ONCE or EXEC Query answer always OFF	
Adjust	ADJust:ZERO OFF ON ONCE or EXEC	
Anl Config	ARM:FREQuency:STARt <nu>	
Anl Config	ARM:FREQuency:STOP <nu>	
Anl Config	ARM:LEVel:MIN <nu>	
Anl Config	ARM:VOLTage:STARt <nu>	
Anl Config	ARM:VOLTage:STOP <nu>	
Aud Mon	AUXiliaries:AAUXout DC AUDM1 or GENERator	
Aud Mon	AUXiliaries:AUDMonitor ON OFF	
Aud Mon	AUXiliaries:DCValue <nu> <nu> -2,5 ... 2,5 V	
Aud Mon	AUXiliaries:PHONe	

Group	Command-Mnemonic	New
	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 FUNctIon GENerator	
Aud Mon	AUXiliaries:SPEaker:VOLume <n> <n> -120 ... +120	
Trigger	AUXiliaries:TRIGger:INPut:EDGE RISing FALLing	
Trigger	AUXiliaries:TRIGger:INPut:ENABle ON OFF	
Trigger	AUXiliaries:TRIGger:INPut:MODE MSINgle MCONtstop MStart	
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	
Special	DATA:Subsys:COUNt:X? DATA:Subsys:COUNt:Y<ch>? Query only: <ch> = 1 ... 16 Subsys = SWEep or BARGraph or FFT Subsys without window specification!	
Special	DATA:Subsys:X? DATA:Subsys:Y<ch>? Query only: <ch> = 1 ... 16	

Group	Command-Mnemonic	New
	Subsys = SWEep or BARGraph or FFT Subsys without window specification!	
Adjust	DIAGnostic:ADJustment ALDG AAGEn AANLr0 ADPHase or CDPHase B48Primary B48Secondary Only executable with valid password. Password can be set with DIAGnostic:PASSword "Password"	
Adjust	DIAGnostic:ADJustment:ADDRess <n> Only executable with valid password. Password can be set with DIAGnostic:PASSword "Password"	
Adjust	DIAGnostic:ADJustment:FDATa <n> Only executable with valid password. Password can be set with DIAGnostic:PASSword "Password"	
Diagnostic	DIAGnostic:PASSword "Password" The password is not disclosed here! The query answer is 'Passwrk ok', not the actual password.	
Display	DISPlay:SCREen <n> <n> = 1...5	
Display	DISPlay:Subsys:COPIOther:CFG 'String' Not for subsystem WAVeform. This command is allowed only for the first window of a subsystem, otherwise error message. Valid keywords in 'String': SCAN Y-SOURCE Y-LABEL Y-UNIT REFERENCE Y-SCALE LIMIT X-SOURCE X-AXIS LEGEND STORE TRACE Example: "Y-UNIT,LIMIT,Y-LABEL,Y-SOURCE"	
Display	DISPlay:Subsys<i>:A B:BOTTOm <nu>	
Display	DISPlay:Subsys<i>:A B:CHANnel CH1 CH2 CH3 CH4	

Group	Command-Mnemonic	New
	CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16	
Display	DISPlay:Subsys<i><i>:A B:LABel:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LABel:USER 'string'	
Display	DISPlay:Subsys<i><i>:A B:LEGend:DESCRiption "String"	
Display	DISPlay:Subsys<i><i>:A B:LEGend:SHOW ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LIMLower ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LIMLower:SOURce VALue HOLD FILE IFILe	
Display	DISPlay:Subsys<i><i>:A B:LIMLower:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:A B:LIMLower:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i><i>:A B:LIMShift ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LIMShift:PARAllel <nu>	
Display	DISPlay:Subsys<i><i>:A B:LIMShift:SYMMetrical <nu>	
Display	DISPlay:Subsys<i><i>:A B:LIMUpper ON OFF	
Display	DISPlay:Subsys<i><i>:A B:LIMUpper:SOURce VALue HOLD FILE IFILe	
Display	DISPlay:Subsys<i><i>:A B:LIMUpper:SOURce:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:A B:LIMUpper:SOURce:VALue <nu>	
Display	DISPlay:Subsys<i><i>:A B:MARKer:HARMonics ON OFF	
Display	DISPlay:Subsys<i><i>:A B:MARKer:MODE	

Group	Command-Mnemonic	New
	OFF FIXed TRKMax	
Display	DISPlay:Subsys<i>:A B:MARKer:SETTo:OCURsor ONCE or EXEC DISPlay:Subsys<i>:A B:MARKer:SETTo:XCURsor ONCE or 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:NORMalize OFF VALue OCURsor XCURsor All subsystems except WAVeform, PESQ and Impulse Response	
Display	DISPlay:Subsys<i>:A B:NORMalize:VALue <nu> All subsystems except WAVeform, PESQ and Impulse Response	
Display	DISPlay:Subsys<i>:A B:REFerence MEASpanel VALue MAXimum XCURsor OCURsor REF997 REF1000 CH1Meas CH2Meas GENTrack FILE HOLD IFILe NOISedensity DBNOisedensity MREFchannel	
Display	DISPlay:Subsys<i>:A B:REFerence:FILE 'filename'	
Display	DISPlay:Subsys<i>:A B:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i>:A B:SPACing LINear LOGarithmic	
Display	DISPlay:Subsys<i>:A B:TOP <nu>	
Display	DISPlay:Subsys<i>:A B:UNIT V DBV DBU :	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i><i>:A B:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:A B:UNIT:TRACk ON OFF	
Display	DISPlay:Subsys<i><i>:A B:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:A B:UPDate ALIVE HOLD	
Display	DISPlay:Subsys<i><i>:A B:YSorce SWEEp 2-kanalig: OFF FUNC1 FUNC2 FREQ1 FREQ2 PHASe GROUpdelay LMRM1 LMRM2 LMDC1 LMDC2 LMPK1 LMPK2 INPP1 INPP2 FILEA FILEB SWEEp 8-kanalig: OFF FUNCTion FREQuency PHASe GROUpdelay LMRMs LMDC LMPK INPPeak FILEA FILEB FFT 2-kanalig: OFF FFTL1 FFTL2 FFTP1 FFTP2 FILEA FILEB FFTP21 FFT 8-kanalig: FFTLevel	

Group	Command-Mnemonic	New
	FFTPhase FFTRefchphase FILEA FILEB WAVeform 2-kanalig: OFF LEV1 LEV2 FILEA FILEB WAVeform 8-kanalig: OFF LEVel FILEA FILEB BARGraph 2-kanalig: OFF FUNC1 FUNC2 FILEA FILEB BARGraph 8-kanalig: OFF FUNCtion FILEA FILEB PESQ und PESQ 8-kanalig OFF PEMO DELay REFSignal DEGSignal DROPOuts FILEA FILEB Impulse Response OFF LEV1 FILEA FILEB	
Display	DISPlay:Subsys<i><i>:A B:YSource:FILE 'filename'	
Display	DISPlay:Subsys<i><i>:DLIST:FILTER ALL LIMUpper LIMLower LIMBoth HARMonics PEAKs	
Display	DISPlay:Subsys<i><i>:MCHMode ON OFF	

Group	Command-Mnemonic	New
	Subsys = SWEep, FFT, WAV, BARG	
Display	DISPlay:Subsys<i><>:MINMax ON OFF Subsys = SWEep, FFT, PESQ, BARGraph, IMPR	
Display	DISPlay:Subsys<i><>:OCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><>:OCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i><>:OCURsor:SETTo:MAX ONCE or EXEC DISPlay:Subsys<i><>:XCURsor:SETTo:MAX ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><>:OCURsor:SETTo:MIN ONCE or EXEC DISPlay:Subsys<i><>:XCURsor:SETTo:MIN ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><>:OCURsor:SETTo:MRKA ONCE or EXEC DISPlay:Subsys<i><>:XCURsor:SETTo:MRKA ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><>:OCURsor:SETTo:MRKB ONCE or EXEC DISPlay:Subsys<i><>:XCURsor:SETTo:MRKB ONCE or EXEC ONCE or EXEC are not necessary No query	
Display	DISPlay:Subsys<i><>:OCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><>:OCURsor:SETTo:YPOS <nu>	

Group	Command-Mnemonic	New
	Horizontal cursor only	
Display	DISPlay:Subsys<i>:OCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i>:OCURsor:Y? Query only	
Display	DISPlay:Subsys<i>:SCANoffset <n> <i> = 1, 2, 3, 4 <n> = -19 -18 : 0 1 (MIN) 2 (MAX) Query and command logging show the numerical value 2 for MAX and 1 for MIN	
Display	DISPlay:Subsys<i>:TITLe:DESCRiption "String"	
Display	DISPlay:Subsys<i>:TITLe:SHOW ON OFF	
Display	DISPlay:Subsys<i>:TRACk:LIMit ON OFF	
Display	DISPlay:Subsys<i>:TRACk:REFerence ON OFF	
Display	DISPlay:Subsys<i>:TRACk:SCALing ON OFF	
Display	DISPlay:Subsys<i>:X:LABel:AUTO ON OFF	
Display	DISPlay:Subsys<i>:X:LABel:USER 'string'	
Display	DISPlay:Subsys<i>:X:LEFT <nu>	
Display	DISPlay:Subsys<i>:X:REFerence:VALue <nu>	
Display	DISPlay:Subsys<i>:X:RIGHt <nu>	
Display	DISPlay:Subsys<i>:X:SCALing AUTo or AUTO MANual	
Display	DISPlay:Subsys<i>:X:SPACing LINear LOGarithmic	
Display	DISPlay:Subsys<i>:X:UNIT HZ DHZ :	

Group	Command-Mnemonic	New
Display	DISPlay:Subsys<i><i>:X:UNIT:AUTO ON OFF	
Display	DISPlay:Subsys<i><i>:X:UNIT:USER 'string'	
Display	DISPlay:Subsys<i><i>:XCURsor:MODE VA VB VAB HA HB	
Display	DISPlay:Subsys<i><i>:XCURsor:POSMode PIXel POINT PEAK HARMonic	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTo:XPOS <nu>	
Display	DISPlay:Subsys<i><i>:XCURsor:SETTO:YPOS <nu> Horizontal cursor only	
Display	DISPlay:Subsys<i><i>:XCURsor:STATe OFF ACTive INACTive	
Display	DISPlay:Subsys<i><i>:XCURsor:Y? Query only	
Display	DISPlay:SWEep<i><i>:HISTory <n> <n> = 2 ... 20 Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:SMODE SINGlescan MULTiscan Subsystem SWEep only	
Display	DISPlay:SWEep<i><i>:X:AXIS TIME VOLTage FREQuency PHASe VDIGital JPKamplitude	
Display	DISPlay:SWEep<i><i>:X:SOURce SWEep HOLD MANual LRMS LDC LPEak FREQuency	
Load Trc	FORMat REAL	

Group	Command-Mnemonic	New
	ASCIi	
Hardcopy	HCOPY Alias HCOPY:IMMEDIATE	
Hardcopy	HCOPY:DESTINATION PRINTER or PRPCx or PRSPc FILE CLIPboard	
Hardcopy	HCOPY:FILE 'name'	
Hardcopy	HCOPY:FILE:MODE NEW OVERwrite INCRement	
Hardcopy	HCOPY:GSIZE "'String" "String" e.g. 800x600	
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	
Special	INITIATE No query	
Special	INITIATE:CONTINUOUS ON OFF WAIT RSTART	
Special	INITIATE:CONTINUOUS:TIMEOUT <nu> <nu> 0 ... 1000s 0s is the same as INIT:CONT ON	
Special	INITIATE:FORCE START STOP SINGLE CONTINUOUS Alias ABORT is the same as SCPI command INITIATE:FORCE STOP No query	

Group	Command-Mnemonic	New
Anl Config	INPut:ALIGnment RISing FALLing CH1Hch2l CH1Lch2h CH1Rch2f CH1Fch2r	
Anl Config	INPut:AUDiobits <n> n = 8 ... 24	
Anl Config	INPut:BANDwidth:MODE B22 B40 B80 B250	
Anl Config	INPut:BCLK:FREQuency? Query only	
Anl Config	INPut:BSLope RISing FALLing	
Anl Config	INPut:CHANnel CH1 CH2 CH1And2 CH1Is2 CH2Is1 BOTH	
Anl Config	INPut:CHMode MONO STEReo	
Anl Config	INPut:CLKFrequency <nu> 512..12800 kHz	
Anl Config	INPut:CLKSource INTern EXTern	
Anl Config	INPut:CLOCK CONTInous GATed	
Anl Config	INPut:CODing NONE ALAW ULAW	
Anl Config	INPut:COMMON FLOat GROund	
Anl Config	INPut:COUPling:CHANnels TRACk SPLit	
Anl Config	INPut:DTYCycle <nu> 10% ... 90%	

Group	Command-Mnemonic	New
Anl Config	INPut:DWNFactor M8 M16 M32 M64 M128 M256	(new)
Anl Config	INPut:FBIT MSB LSB	
Anl Config	INPut:FILTer OFF UFIL1...9 AWE CCIR CARM CCIU CCIT CMES DCN DEMP17 DEMP5015 DEMP50 DEMP75 IECT JITT PEMP17 PEMP5015 PEMP50 PEMP75 URUM WRUM HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Anl Config	INPut:FOFFset <n> <n> = -Wordlength ... Wordlength-1	
Anl Config	INPut:FORMat SI2S USERdefined	
Anl Config	INPut:FSLope LFTFalling LFTRising	
Anl Config	INPut:FSYNc:FREQUency? Query only	
Anl Config	INPut:FWIDth ONEBit ONESlot	

Group	Command-Mnemonic	New
	SQUare VALue	
Anl Config	INPut:FWIDth:VALue <n>	
Anl Config	INPut:IMPedance R300 R600 R200K	
Anl Config	INPut:INPut INTern DSUB PROBe	
Anl Config	INPut:LBITs <n> <n> = 0 ... depends of Slot Length	
Anl Config	INPut:LOGVoltage MV0900 MV1200 MV1500 MV1800 MV2500 MV3300	
Anl Config	INPut:MCHannels<ch> ON OFF Dual channel: <ch> = 1 ... 2 Multichannel: <ch> = 1 ... 8 <ch> = 1 ... 16	
Anl Config	INPut:MCHSource<ch> RX1Data RX2Data RX3Data RX4Data <ch> = 1 ... 8	
Anl Config	INPut:MRATio <n> <n> = 16 ... 768	
Anl Config	INPut:MSAMplefrequency ON OFF	
Anl Config	INPut:MSource INCLock PROBe	
Anl Config	INPut:NOSLots <n> <n> = 1 ... 256	
Anl Config	INPut:RANGe:CHANnels TRACK SPLit	

Group	Command-Mnemonic	New
Anl Config	INPut:RATio <n> <n> = 2 ... 12	
Anl Config	INPut:RESYnc ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	INPut:SAMPlE:FREQUency <nu>	
Anl Config	INPut:SAMPlE:FREQUency:MODE Param. for Anlr.-Instr. DIGITAL: AUTO or AUTo F32 F44 F48 F88 F96 F176 F192 VALue CHStatus Param. ffor Anlr.-Instr. I2SBOARD: AUTO or AUTo F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue	
Anl Config	INPut:SDELay <nu>	
Anl Config	INPut:SLOTs<ch> <String> <ch> = 1 ... 8	
Anl Config	INPut:SLTLength <n> <n> = 8 ... 256	
Anl Config	INPut:SPFRame <n> <n> = 1 ... 32	
Anl Config	INPut:SYNCto ICLock EMASterclock EFSYnc EFAMon EFBCIk	
Anl Config	INPut:TIMEout <nu>	

Group	Command-Mnemonic	New
	<nu> 1 ... 500 ms	
Anl Config	INPut:TYPE For analyzer instrument ANLG BALanced GEN1 GEN2 For analyzer instrument DIG DBALanced or AESebu DUNBalanced or SPDif OPTical INTern	
Anl Config	INPut:WLENgth W16 W24 W32	
Anl Config	INPut:WOFFset <n>	
Anl Config	INPut<ch>:COUPling AC DC <ch> = 1 ... 16	
Anl Config	INPut2:COMMon FLOat GROund	
Anl Config	INPut2:IMPedance R300 R600 R200K	
Anl Config	INPut2:TYPE BALanced GEN1 GEN2	
Gen Config	INSTRument Alias INSTRument:SElect ANLG or A25 DIG or D48 I2SBoard or I2S IMPairment U2Channel Alias INSTRument:NSElect 1 2 3 4 5 6 1 = ANLG 2 or 3 = DIG 4 = I2SBoard 5 = IMPairment 6 = U2Channel	
Anl Config	INSTRument2 ANLG or A22 DIG or D48	

Group	Command-Mnemonic	New
	I2Sboard or I2S U2Channel U8Channel A8Channel A16Channel DIGBitstream Alias INSTRument2:NSElect 1 2 3 4 6 7 8 9 10 1 = ANLG 2 oder 3 = DIG 4 = I2Sboard 6 = U2Channel 7 = U8Channel 8 = A8Channel 9 = A16Channel 10 = DIGBitstream	
Gen Funct	MMEMemory:LOAD:ARbitrary 'filename'	
Gen Funct	MMEMemory:LOAD:DWELI 'filename'	
Gen Funct	MMEMemory:LOAD:FREQUENCY 'file'	
Anl Funct	MMEMemory:LOAD:FREQUENCY:SLCFrequency 'filename'	
Anl Funct	MMEMemory:LOAD:IEQualize 'filename'	
Gen Funct	MMEMemory:LOAD:INTerval 'filename'	
Gen Funct	MMEMemory:LOAD:OEQualize 'filename' Alias MMEMemory:LOAD:STEReo1:OEQualize 'filename'	
Gen Funct	MMEMemory:LOAD:ONTime 'filename'	
Gen Funct	MMEMemory:LOAD:PHASe 'filename'	
Load Setup	MMEMemory:LOAD:STATe "filename"	
Gen Funct	MMEMemory:LOAD:STEReo2:OEQualize 'filename'	
Gen Funct	MMEMemory:LOAD:VOLTage 'filename'	
Anl Funct	MMEMemory:STORE:PWAVEform 'filename'	
Store Setup	MMEMemory:STORE:STATe "filename"	
Store Trc	MMEMemory:Subsys<i>:EQUalization:INVert ON OFF Subsys = SWEep, FFT	
Store Trc	MMEMemory:Subsys<i>:EQUalization:MODify ON OFF	
Store Trc	MMEMemory:Subsys<i>:EQUalization:NORMfrequency <nu>	
Store Trc	MMEMemory:Subsys<i>:LIMit:OFFSet OFF ON	
Display	MMEMemory:Subsys<i>:LIMit:OFFSet:VALue <nu>	

Group	Command-Mnemonic	New
Store Trc	MMEMemory:Subsys<i>:STAS TRCList EQUList SWPList LLISt DSElect	
Store Trc	MMEMemory:Subsys<i>:STORE "filename.trc"	
Store Trc	MMEMemory:Subsys<i>:TRACe A B	
Gen Config	OUTPut ON OFF	
Special	OUTPut ON OFF	
Gen Config	OUTPut:AUDIobits <n>	
Gen Config	OUTPut:AUXiliary:OUTPut AOUTput AINPut AINReclock RGENerator AUXin	
Gen Config	OUTPut:BANDwidth:MODE B22 B40 B80 AUTO or AUTo SIN185	(new)
Gen Config	OUTPut:BCLK:FREQuency? Query only	
Gen Config	OUTPut:BCLock:JITAmplitude <nu>	
Gen Config	OUTPut:BCLock:JITFrequency <nu>	
Gen Config	OUTPut:BSLope RISing FALLing	
Gen Config	OUTPut:CHANnel OFF CH1 CH2 CH2Is1	
Gen Config	OUTPut:CLOCK CONTinous GATed	
Gen Config	OUTPut:CODing NONE ALAW ULAW	
Gen Config	OUTPut:CSIMulator	

Group	Command-Mnemonic	New
	OFF SIMLong	
Gen Config	OUTPut:FBIT MSB LSB	
Gen Config	OUTPut:FOFFset <n>	
Gen Config	OUTPut:FORMat SI2S USERdefined	
Gen Config	OUTPut:FSHape SQUpuls BITPulse	
Gen Config	OUTPut:FSLope RISing FALLing	
Gen Config	OUTPut:FSYNc:FREQUency? Query only	
Gen Config	OUTPut:FWIDth ONEBit ONESlot SQUare VALue	
Gen Config	OUTPut:FWIDth:VALue <n>	
Gen Config	OUTPut:IMPedance R10 R200 R600	
Gen Config	OUTPut:IMPedance:UNBalanced? Query only Answer always 5 Ohm	
Gen Config	OUTPut:INTClockfreq <nu>	
Gen Config	OUTPut:LBITs <n>	
Gen Config	OUTPut:LOGVoltage MV0900 MV1200 MV1500 MV1800 MV2500 MV3300	
Gen Config	OUTPut:LOW FLOat GROund	
Gen Config	OUTPut:MCLKratio M64 M96 M128 M192 M256	

Group	Command-Mnemonic	New
	M384 M512	
Gen Config	OUTPut:MClock:JITAmplitude <nu>	
Gen Config	OUTPut:MClock:JITFrequency <nu>	
Gen Config	OUTPut:MRATio <n>	
Gen Config	OUTPut:MSAMplefrequency ON OFF	
Gen Config	OUTPut:NOSLots <n>	
Gen Config	OUTPut:POLarity For OUTP:FPU SQU OUTPut:POLarity LFTLow LFTHigh For OUTP:FPU BITP OUTPut:POLarity NEGative POSitive	
Gen Config	OUTPut:RATio <n> <n> = 2 ... 12	
Gen Config	OUTPut:RESYnc ONCE or EXEC are not necessary	
Gen Config	OUTPut:SAMple:FREQuency <nu>	
Gen Config	OUTPut:SAMple:MODE For generator instrument DIGITAL: F32 F44 F48 F88 F96 F176 F192 SYNChron VALue For generator instrument I2SBOARD: F08 F11 F16 F22 F32 F44 F48 F88 F96 F176 F192 F384 VALue	

Group	Command-Mnemonic	New
Gen Config	OUTPut:SIGNal:BALanced:LEVel <nu>	
Gen Config	OUTPut:SIGNal:LEVel <nu>	
Gen Config	OUTPut:SLCOffset <n>	
Gen Config	OUTPut:SLCSlope RISing FALLing	
Gen Config	OUTPut:SLCWidth ONEBit SQUare VALue	
Gen Config	OUTPut:SLCWidth:VALue <n>	
Gen Config	OUTPut:SLTLength <n>	
Gen Config	OUTPut:SPFRame <n>	
Gen Config	OUTPut:SYNC:OUTPut ADOutput ADINput AXINput GSYPll JRFPII AXOutput SYINput ICLock or INTClock	
Gen Config	OUTPut:SYNC:TYPE WCLock BCLock	
Gen Config	OUTPut:TXData<i> "String" <i> = 1 ... 4	
Gen Config	OUTPut:TYPE BALanced UNBalanced CTEST	
Gen Config	OUTPut:UNBalanced:OUTPut AOUTput AINPut	
Gen Config	OUTPut:WLENgth W16 W24 W32	
Gen Config	OUTPut:WOffset <n> If (OUTPut:WRDLength == 16) <n> = -16 ... 15 If (OUTPut:WRDLength == 24) <n> = -24 ... 23 If (OUTPut:WRDLength == 32) <n> = -32 ... 31	
Anl Funct	SENSE:Bandwidth <nu>	
Anl Funct	SENSE:Bandwidth:MODE PPCT1	

Group	Command-Mnemonic	New
	PPCT3 POCT12 PTOC PFAS PFIx SPCT1 SPCT3 SOCT12 STOC SFAS SFIx	
Anl Funct	SENSE:CHANnel:DElay <nu>	
Anl Config	SENSE:CMpFactor <n> <n> = 2 ... 1024	
Display	SENSE:CONFig:COpyOther ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	SENSE:DATA:ALL? SENSE:DATA:ALL? MIN SENSE:DATA:ALL? MAX Query only	
Anl Funct	SENSE:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSE:DMODE ADATa JPHase CINPut	
Anl Funct	SENSE: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	

Group	Command-Mnemonic	New
	URUM WRUM PEMP17 PEMP5015 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE <i> = 1, 2 oder 3	
Anl Funct	SENSE:FREQuency <nu>	
Anl Funct	SENSE:FREQuency:FACTor <nu>	
Anl Funct	SENSE:FREQuency:LIMit ON OFF	
Anl Funct	SENSE:FREQuency:LIMit:LOWer <nu>	
Anl Funct	SENSE:FREQuency:LIMit:UPPer <nu>	
Anl Funct	SENSE:FREQuency:SElect CW or FIXed GENTrack CH1Freq Alias CH1 CH2Freq Alias CH2 AUToboth or AUTOboth Multichannel: SENSE:FREQuency:SElect CW or FIXed GENTrack REFFrequency AUToboth or AUTOboth	
Anl Funct	SENSE:FUNCTion OFF RMS RMSSelect PEAK QPEak SN DC FFT THD THDNsdr MDISt DFD DIM POLarity COHerence RUBBuzz RECord NOCTave	

Group	Command-Mnemonic	New
	PESQ PEAQ POLQa PLUGin	
Anl Funct	SENSE:FUNCTION:APERture:MODE For analyzer function RMS AFASt AUTO GENTrack VALue For analyzer function S/N in MeasMode Pos Peak, Neg Peak, Pk to Pk and Abs Peak FAST SFASt SLOW For analyzer function THD+N/SINAD WIDE MEDium NARRow	
Anl Funct	SENSE:FUNCTION:BARGraph ON OFF	
Anl Funct	SENSE:FUNCTION:DCSuppression ON OFF	
Anl Funct	SENSE:FUNCTION:DISTortion<i> ON OFF <i> = 2 ... 9 describes harmonics	
Anl Funct	SENSE:FUNCTION:DMODE FAST PRECision	
Anl Funct	SENSE:FUNCTION:FFT:AVERAge <n> 1 ... 10000	
Anl Funct	SENSE:FUNCTION:FFT:AVERAge:MODE OFF NORMAl EXPOntial	
Anl Funct	SENSE:FUNCTION:FFT:CMPFactor <n> <n> = 1,2,4,8,16,32,64,128,256,512,1024 1 turns off undersampling. Query: If undersampling is turned off, query returns 1	
Anl Funct	SENSE:FUNCTION:FFT:MTIME?	

Group	Command-Mnemonic	New
	Query only	
Anl Funct	SENSe:FUNcTion:FFT:RESolution? Query only	
Anl Funct	SENSe:FUNcTion:FFT:Size S512 S1K S2K S4K S8K S16K S32K S64K S128K S256K	
Anl Funct	SENSe:FUNcTion:FFT:SPAN R2 R4 R8 R16 R32 R64 R128 R256 Query only	
Anl Funct	SENSe:FUNcTion:FFT:STARt? Query only	
Anl Funct	SENSe:FUNcTion:FFT:STATe ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:STOP? Query only	
Anl Funct	SENSe:FUNcTion:FFT:TRIGgered ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:USAMple ON OFF	
Anl Funct	SENSe:FUNcTion:FFT:WINDow RECTangular HANN BLACKman_harris RIF1 RIF2 RIF3 HAMMing FLATtop	
Anl Funct	SENSe:FUNcTion:MMODE Peak PPEak	

Group	Command-Mnemonic	New
	<p>NPEak PTOPeak PABSolut</p> <p>SN RMS QPEak PPEak NPEak PTOPeak PABSolut</p> <p>THD SElectdi LSElectdi DALL LDALI DODD LDODd DEVen LDEVen</p> <p>THD+N THDN LTHDn SNDRatio Alias SINad NOISe LNOise</p> <p>DFD D2_268 or D2 D3_268 or D3 D2_118 D3_118</p> <p>NOCTave OCT1 OCT3 OCT6 OCT12 OCT24 CBANd</p> <p>PESQ PEAQ DUT OFFLine</p>	
Anl Funct	SENSe:FUNcTion:PEAQ:DELDetect <nu>	
Anl Funct	SENSe:FUNcTion:PEAQ:VERsion BASic ADVanced	
Anl Funct	SENSe:FUNcTion:PESQ:ACCording PP862 PPSI862 or PSILence PPSP862 or PSPEach MP8621	

Group	Command-Mnemonic	New
	MP8622 MPSI8621 MPSP8621 MPSI8622 MPSP8622	
Anl Funct	SENSe:FUNcTion:PEAQ:AVGDelay? Alias SENSe:FUNcTion:PEAQ:AVGDelay? Alias SENSe:FUNcTion:POLQa:AVGDelay? Query only	
Anl Funct	SENSe:FUNcTion:PEAQ:DEGLLevel? Alias SENSe:FUNcTion:PEAQ:DEGLLevel? Alias SENSe:FUNcTion:POLQa:DEGLLevel? Query only	
Anl Funct	SENSe:FUNcTion:PEAQ:REFLevel? Alias SENSe:FUNcTion:PEAQ:REFLevel? Alias SENSe:FUNcTion:POLQa:REFLevel? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:ATTenuation? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:AUTOgain ON OFF Only availabel if UPV-K63 is installed	
Anl Funct	SENSe:FUNcTion:POLQa:AVERaging OFF ON	(new)
Anlr Funct	SENSe:FUNcTion:POLQa:BAND NARRow WIDE	
Anl Funct	SENSe:FUNcTion:POLQa:DEGSpratio? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:GAIN <nu>	
Anl Funct	SENSe:FUNcTion:POLQa:MAXDelay? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:MINDelay? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:REFSpratio? Query only	

Group	Command-Mnemonic	New
Anl Funct	SENSe:FUNcTion:POLQa:SNRDeg? Query only	
Anl Funct	SENSe:FUNcTion:POLQa:SNRRef? Query only	
Anl Funct	SENSe:FUNcTion:REcOrd:BPS AUTO L8 L16 L32	
Anl Funct	SENSe:FUNcTion:REcOrd:FILE 'filename'	
Anl Funct	SENSe:FUNcTion:REcOrd:FLENGth? Query only	
Anl Funct	SENSe:FUNcTion:REcOrd:LENGth <nu>	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:LEVel <nu>	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:PRE <nu>	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:SLOPe RISing FALLing	
Anl Funct	SENSe:FUNcTion:REcOrd:TRIGger:SOURce CH1 CH2 MANual GENBurst	
Anl Funct	SENSe:FUNcTion:REFNment N1 N2 N4 N8	
Anl Funct	SENSe:FUNcTion:SETTling:COUNt <n>	
Anl Funct	SENSe:FUNcTion:SETTling:MODE OFF EXPOntial FLAT AVERAge	
Anl Funct	SENSe:FUNcTion:SETTling:RESolution <nu>	
Anl Funct	SENSe:FUNcTion:SETTling:TOLerance <nu> PCT	
Anl Funct	SENSe:FUNcTion:SETTling:TOUT <nu>	
Anl Funct	SENSe:FUNcTion:SNSequence ON OFF	
Anl Config	SENSe:JITTer:REFerence INTClock or GClock REFPII or PLLVari	
Anl Config	SENSe:MAX:FFT:SIZE S512 S1K	

Group	Command-Mnemonic	New
	S2K S4K S8K S16K S32K S64K S128K S256K	
Anl Funct	SENSe:NOTCh DB0 DB12 DB30 OFF	
Anl Funct	SENSe:NOTCh:FREQuency <nu>	
Anl Funct	SENSe:NOTCh:FREQuency:MODE VALue GENTrack	
Anl Funct	SENSe:PLUGIn:CONFIg:DSTRing 'xxx'	
Anl Funct	SENSe:PLUGIn:CONFIg:SHOW ON OFF	
Anl Funct	SENSe:PLUGIn:DLL 'DLL-Filename'	
Anl Funct	SENSe:PLUGIn:INFO? Query only	
Anl Config	SENSe:POWEr:REFerence:RESistance <nu>	
Anl Config	SENSe:REFerence <nu>	
Anl Config	SENSe:REFerence:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16	
Anl Config	SENSe:REFerence:MODE Dual channel: CH1Store CH2Store CH1Meas CH2Meas STORE	

Group	Command-Mnemonic	New
	GENTrack VALue Multichannel: VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store	
Anl Config	SENSE:REFerence:MODE2 CH1Store CH2Store CH1Meas CH2Meas STORE GENTrack VALue	
Anl Config	SENSE:REFerence2 <nu>	
Anl Funct	SENSE:SWEEp:CONTRol OFF ASWeep ALISt	
Anl Funct	SENSE:SWEEp:POINts <n>	
Anl Funct	SENSE:SWEEp:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Anl Funct	SENSE:SWEEp:STARt <nu>	
Anl Funct	SENSE:SWEEp:STEP <nu>	
Anl Funct	SENSE:SWEEp:STOP <nu>	
Anl Funct	SENSE:THDN:REJection NARRow WIDE	
Anl Config	SENSE:TRIGger:SETTling:COUNt <n>	
Anl Config	SENSE:TRIGger:SETTling:MODE OFF EXPonential	(new)

Group	Command-Mnemonic	New
	FLAT AVERage	
Anl Config	SENSe:TRIGger:SETTling:RESolution <nu>	
Anl Config	SENSe:TRIGger:SETTling:TOLerance <nu> PCT	
Filter	SENSe:UFILter<i> HPASs LPASs BPASs BSTOp BSTop NOTCh TOCTave OCTave FILE <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:ATTenuation <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:CENTer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:DELay <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:FNAMe 'filename' <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:ORDer N4 N8 <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb:LOWer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:PASSb:UPPer <nu> <i> = 1 ... 9	
Filter	SENSe:UFILter<i>:STOPb:LOWer? <i> = 1 ... 9 Query only!	
Filter	SENSe:UFILter<i>:STOPb:UPPer? <i> = 1 ... 9 Query only!	
Filter	SENSe:UFILter<i>:STOPb? <i> = 1 ... 9 Query only!	
Filter	SENSe:UFILter<i>:WIDTh <nu> <i> = 1 ... 9	
Anl Funct	SENSe:UNAuto ON OFF	

Group	Command-Mnemonic	New
Anl Funct	SENSE:UNAuto2 ON OFF	
Anl Funct	SENSE:UNIT V DBV DBR FS :	
Anl Funct	SENSE:UNIT2 V DBV DBR FS :	
Anl Funct	SENSE:USERunit 'Unitstring'	
Anl Funct	SENSE:USERunit2 'Unitstring'	
Anl Funct	SENSE:VOLTage:APERture <nu>	
Anl Funct	SENSE:VOLTage:EQualize ON OFF	
Anl Funct	SENSE:VOLTage:FUNDamental <nu>	
Anl Funct	SENSE:VOLTage:FUNDamental:MODE AUTO VALue GENTrack	
Anl Funct	SENSE:VOLTage:INTVtime <nu>	
Anl Funct	SENSE:VOLTage:INTVtime:MODE SFAST (for Peak measurement only) FAST (for Peak measurement only) SLOW (for Peak measurement only) FIXed or FIX3 (for QuasiPeak only) VALue (for Peak and QuasiPeak)	
Anl Config	SENSE:VOLTage:RANGe<ch>:MODE AUTO FIX LOWER <ch> = 1 ... 16	
Anl Config	SENSE:VOLTage:RANGe<ch>:VALue <nu> <ch> = 1 ... 16 Query: The query answer is the nominal value of the range in volt without unit: Exceptionally the using of the query form "SENS:VOLT:RANG<i>:VALue? MIN or MAX" is not allowed. Dual channel: 18MV: 0.018	

Group	Command-Mnemonic	New
	30mV: 0.03 60mV: 0.06 100mV: 0.1 180mV: 0.18 300mV: 0.3 600mV: 0.6 1000mV: 1 1800mV: 1.8 3V: 3 6V: 6 10V: 10 18V: 18 30V: 30 60V: 60 100V: 100 Multichannel: R200MV: 0.2 R800MV: 0.8 R3V: 3 R12V: 12 R50V: 50	
Anl Config	SENSE <i>i</i> :LEFT<ch> <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE <i>i</i> :LIMLower<ch> ON OFF <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE <i>i</i> :LIMLower<ch>:VALue <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE <i>i</i> :LIMUpper<ch> ON OFF <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE <i>i</i> :LIMUpper<ch>:VALue <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE <i>i</i> :RIGHT<ch> <nu> <i> = 1 2 6 <ch> = 1 2	
Anl Config	SENSE<x>:DATA<y>? MIN SENSE<x>:DATA<y>? MAX Query only	

Group	Command-Mnemonic	New
Display	SENSe2:CONFIg:COPIYother ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	SENSe2:DATA:ALL? SENSe2:DATA:ALL? MIN SENSe2:DATA:ALL? MAX Query only	
Anl Config	SENSe2:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSe2:FUNCTion OFF IPEAk or IPEAK PHASetoref DIGinpampl	
Anl Config	SENSe2:REFerence <nu>	
Anl Config	SENSe2:REFerence:MODE Dual channel: CH1Store CH2Store STORe CH1Meas CH2Meas GENTrack DIGoutampl VALue Multichannel: SENSe2:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store	
Anl Config	SENSe2:UNAuto ON OFF	
Anl Config	SENSe2:UNAuto2	

Group	Command-Mnemonic	New
	ON OFF	
Anl Config	SENSe2:UNIT V DBV DBR FS :	
Anl Config	SENSe2:UNIT2 V DBV DBR FS :	
Anl Config	SENSe2:USERunit 'Unitstring'	
Anl Config	SENSe2:USERunit2 'Unitstring'	
Anl Config	SENSe3:DATA:ALL? SENSe3:DATA:ALL? MIN SENSe3:DATA:ALL? MAX Query only	
Anl Config	SENSe3:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSe3:FREQUency:APERture:MODE FAST PRECision	
Anl Config	SENSe3:FREQUency:LEFT <nu>	
Anl Config	SENSe3:FREQUency:LIMLower ON OFF	
Anl Config	SENSe3:FREQUency:LIMLower:VALue <nu>	
Anl Config	SENSe3:FREQUency:LIMUpper ON OFF	
Anl Config	SENSe3:FREQUency:LIMUpper:VALue <nu>	
Anl Config	SENSe3:FREQUency:REFerence <nu>	
Anl Config	SENSe3:FREQUency:REFerence:MODE Dual channel: CH1Store CH2Store CH1Meas CH2Meas STORe GENTrack VALue Multichannel: VALue MREFchannel	

Group	Command-Mnemonic	New
	GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store CH1Store ... CH16Store and STORE are actions, afterwards the internal state is VALue, so the query answer is VALue.	
Anl Config	SENSe3:FREQuency:RIGHt <nu>	
Anl Config	SENSe3:FREQuency:SETTling:COUNt <n>	
Anl Config	SENSe3:FREQuency:SETTling:MODE OFF EXPonential FLAT AVERAge	
Anl Config	SENSe3:FREQuency:SETTling:RESolution <nu>	
Anl Config	SENSe3:FREQuency:SETTling:TOLerance <nu> PCT	
Anl Config	SENSe3:FREQuency:SETTling:TOUT <nu>	
Anl Config	SENSe3:FREQuency:UNAuto ON OFF	
Anl Config	SENSe3:FREQuency:UNIT HZ DHZ DPCTHZ TERZ OCT DEC FFR	
Anl Config	SENSe3:FREquency:USERunit 'Unitstring'	
Anl Config	SENSe3:FUNcTion OFF FREQuency FQPHase FQGRoupdelay FQSamplefrequency SFRequency	
Anl Config	SENSe3:GROupdelay:REFerence <nu> 0 ... 10 s	

Group	Command-Mnemonic	New
Anl Config	SENSe3:PHASe:FORMat POSitive POSNegative NEGative RAD RADBipolar RADNegative INFinite	
Anl Config	SENSe3:PHASe:LEFT <nu>	
Anl Config	SENSe3:PHASe:LIMLower ON OFF	
Anl Config	SENSe3:PHASe:LIMLower:VALue <nu>	
Anl Config	SENSe3:PHASe:LIMUpper ON OFF	
Anl Config	SENSe3:PHASe:LIMUpper:VALue <nu>	
Anl Config	SENSe3:PHASe:REFerence <nu> -360° ...+360° -6,32832 ... +6,32832 RAD	
Anl Config	SENSe3:PHASe:REFerence:MODE Dual Channel: STORE VALue GENTrack Multichannel: VALue GENTrack STORE is an action, the internal state is VALue, so the query answer is always VALue.	
Anl Config	SENSe3:PHASe:RIGHT <nu>	
Anl Config	SENSe3:PHASe:SETTling:COUNt <n>	
Anl Config	SENSe3:PHASe:SETTling:MODE OFF EXPonential FLAT AVERage	
Anl Config	SENSe3:PHASe:SETTling:RESolution <nu>	
Anl Config	SENSe3:PHASe:SETTling:TOUT <nu>	
Anl Config	SENSe3:PHASe:UNAuto ON OFF	
Anl Config	SENSe3:PHASe:UNIT DEG RAD DDEG DRAD	

Group	Command-Mnemonic	New
	S DS	
Anl Config	SENSe3:PHASe:USERunit 'Unitstring'	
Anl Config	SENSe4:DATA?	
Display	SENSe6:CONFIg:COPIYother ONCE or EXEC ONCE or EXEC are not necessary	
Anl Config	SENSe6:DATA:ALL? SENSe6:DATA:ALL? MIN SENSe6:DATA:ALL? MAX Query only	
Anl Config	SENSe6:DATA<ch>? <ch> = 1 ... 16	
Anl Config	SENSe6:FUNCIon OFF LRMS DC PEAK	
Anl Config	SENSe6:REFerence <nu>	
Anl Config	SENSe6:REFerence:MODE Dual channel: CH1Store CH2Store STORE CH1Meas CH2Meas GENTrack VALue Multichannel: SENSe6:REFerence:MODE VALue MREFchannel GENTrack CH1Store CH2Store CH3Store CH4Store CH5Store CH6Store CH7Store CH8Store CH9Store CH10Store CH11Store CH12Store CH13Store CH14Store CH15Store CH16Store	

Group	Command-Mnemonic	New
Anl Config	SENSe6:UNAuto ON OFF	
Anl Config	SENSe6:UNAuto2 ON OFF	
Anl Config	SENSe6:UNIT V DBV DBR FS :	
Anl Config	SENSe6:UNIT2 V DBV DBR FS :	
Anl Config	SENSe6:USERunit 'Unitstring'	
Anl Config	SENSe6:USERunit2 'Unitstring'	
Anl Config	SENSe7:FUNcTION OFF ON	
Anl Config	SENSe7:MMODE STANdard COMPRessed USAMple	
Anl Config	SENSe7:TRIGger:AUTO ON OFF	
Anl Config	SENSe7:TRIGger:LEVel <nu>	
Anl Config	SENSe7:TRIGger:PRE <nu>	
Anl Config	SENSe7:TRIGger:SLOPe RISing FALLing	
Anl Config	SENSe7:TRIGger:SOURce Dual channel: CH1 CH2 MANual GENBurst Multichannel: TRGChannel MANual	
Anl Config	SENSe7:TRIGger:TRCLength <nu>	
Anl Proto	SENSe8:FUNcTION OFF ON	
Anl Proto	SENSe8:PROTOcol:CH<x>:BYTE<y>?	

Group	Command-Mnemonic	New
	<p><x> and <y> are suffixes <x> = Channel 1 or 2 <y> = Byte 0 ... 4 Return value = 0 ... 255</p> <p>Query only</p>	
Anl Proto	SENSE8:PROTOcol:DISPlay ON OFF	
Anl Proto	<p>SENSE8:PROTOcol:ERRor:PCM<i>? SENSE8:PROTOcol:ERRor:PAR<i>? SENSE8:PROTOcol:ERRor:LOC<i>? SENSE8:PROTOcol:ERRor:CRC<i>? SENSE8:PROTOcol:ERRor:INV<i>?</p> <p><i> = 1 or 2 for Ch 1 or Ch 2</p> <p>Query only "0" = no error "1" = error</p>	
Anl Proto	<p>SENSE8:PROTOcol:ERRor?</p> <p>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</p>	
Anl Proto	SENSE8:PROTOcol:HIGHlight NOTHing FOUtput BETWeen FSTart	
Anl Proto	SENSE8:PROTOcol:MODE AUTomatic or AUTOmatic CONSumer PROFessional	
Anl Proto	SENSE8:PROTOcol:PERStence SHORt LONG FORever	
Anl Proto	SENSE8:PROTOcol:VIEW	

Group	Command-Mnemonic	New
	BINText BINonly	
Gen Funct	SOURce:AM:MODE OFF SINusoid BURSt	
Gen Funct	SOURce:BANDwidth F30 F100	
Gen Funct	SOURce:DIM DIMA DIMB DIMS	
Gen Funct	SOURce:FILTer Alias SOURce:STEReo: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 PEMP5015 PEMP50 PEMP75 HP22 HP400 LP22 LP30 LP80 AES17 CWE	
Gen Funct	SOURce:FILTer:CHANnels TRACk SPLit	

Group	Command-Mnemonic	New
Gen Config	SOURce:FRAMePhase <nu> <n> = -64 UI ... 64 UI	
Gen Funct	SOURce:FREQuency <nu>	
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 Config	SOURce:FREQuency:REFerence <nu>	
Gen Funct	SOURce:FREQuency:SELEct FQPH FQFQ	
Gen Funct	SOURce:FREQuency<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:FREQuency2 <nu>	
Gen Funct	SOURce:FUNction SINusoid STEReo MULTisine BURSt S2Pulse MDISt DFD DIM RANDom ARBitrary POLarity MODulation or FM DC SQUare PLAY PLYAnlr or O131 CHIRp	
Gen Funct	SOURce:FUNction:MODE for Multisinus: EQUalvoltage DEFinedvoltage for DFD: IEC268 IEC118 for Modulation: AM FM	
Gen Config	SOURce:IMPairment ON OFF	
Gen Funct	SOURce:INTerval <nu>	
Gen Funct	SOURce:LOOP:CHANnel OFF	

Group	Command-Mnemonic	New
	CH1 CH2 STEReo CROSSed	
Gen Funct	SOURce:LOOP:GAIN <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>] <nu> <i> = 1 ... 32 <nu> = 0 ... 360 °	
Gen Funct	SOURce:PLAY:CHANnel MLEFt MRIGHt STEReo	
Gen Funct	SOURce:PLAY:DELAy<i> <nu> <i>: 1 = Ch1, 2 = Ch2	
Gen Funct	SOURce:PLAY:MODE TOCont TOSingle TICont TISingle	
Gen Funct	SOURce:PLAY:MUTing OFF AFTermeas	(new)
Gen Funct	SOURce:PLAY:REStart OFF AUTO ONCE ONCE is a single action, so the query answer depends of the previous state and is always OFF or AUTO.	
Gen Proto	SOURce:PROTOcol:AZERo ONCE or EXEC ONCE or EXEC are not necessary 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	

Group	Command-Mnemonic	New
Gen Proto	SOURce:PROTOcol:CRC ON OFF	
Gen Proto	SOURce:PROTOcol:FILE 'filename'	
Gen Proto	SOURce:PROTOcol:MODE AUTomatic or AUTOMatic PROFessional CONSUMER FILE	
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	
Gen Config	SOURce:PTORef OFF VALue	
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 FILE or ARBITrary	
Gen Funct	SOURce:RANDom:SPACing:FREQuency <nu>	
Gen Funct	SOURce:RANDom:SPACing:MODE ATRack USERdefined	
Gen Config	SOURce:REFerence AZERo AONE	
Gen Funct	SOURce:SINusoid:DITHer <nu>	
Gen Funct	SOURce:SINusoid:DITHer:STATe ON OFF	

Group	Command-Mnemonic	New
Gen Config	SOURce:SRCMode JITTer COMMon	
Gen Funct	SOURce:STEReo2:FILTer OFF UFIL1 : CWE	
Gen Funct	SOURce:SWEEp:CONTRol OFF ASWweep ALISt	
Gen Funct	SOURce:SWEEp:DWELI <nu> 10 ms ... 1000 s	
Gen Funct	SOURce:SWEEp:FREQUency:HALT STARt VALue MUTE	
Gen Funct	SOURce:SWEEp:FREQUency:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:FREQUency:POINts <n>	
Gen Funct	SOURce:SWEEp:FREQUency:SPACing LINSteps LOGSteps LINPoints LOGPoints	
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:HALT STARt VALue MUTE	
Gen Funct	SOURce:SWEEp:INTerval:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:INTerval:POINts <n>	
Gen Funct	SOURce:SWEEp:INTerval:SPACing LINSteps LOGSteps LINPoints LOGPoints	
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 DWELI ASYNc LIST	
Gen Funct	SOURce:SWEEp:ONTime:HALT STARt	

Group	Command-Mnemonic	New
	VALue MUTE	
Gen Funct	SOURce:SWEEp:ONTime:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:ONTime:POINts <n>	
Gen Funct	SOURce:SWEEp:ONTime:SPACing LINSteps LOGSteps LINPoints LOGPoints	
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:HALT STARt VALue MUTE	
Gen Funct	SOURce:SWEEp:PHASe:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:PHASe:POINts <n>	
Gen Funct	SOURce:SWEEp:PHASe:SPACing LINSteps LOGSteps LINPoints LOGPoints	
Gen Funct	SOURce:SWEEp:PHASe:STARt <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STEP <nu>	
Gen Funct	SOURce:SWEEp:PHASe:STOP <nu>	
Gen Funct	SOURce:SWEEp:VOLTagE:HALT STARt VALue MUTE	
Gen Funct	SOURce:SWEEp:VOLTagE:HALT:VALue <nu>	
Gen Funct	SOURce:SWEEp:VOLTagE:POINts <n>	
Gen Funct	SOURce:SWEEp:VOLTagE:SPACing LINSteps LOGSteps LINPoints LOGPoints	
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 INTerval or INTervall PHASe	

Group	Command-Mnemonic	New
Gen Funct	SOURce:SWEEp:ZAXis OFF FREQuency VOLTage ONTIme INTerval or INTervall PHASe	(new)
Gen Config	SOURce:SYNC:TO For generator instrument Digital Audio: INTClock or GCLock AINPut AUXinput or RINPut SINPut SINVinput For generator instrument I2S Board: INTern EXTMasterclock EXTWordclock For generator instrument USI Dual Chan: ICLock EMASterclock EFSYnc EFAMon EFBCIk	
Gen Funct	SOURce:VOLTage <nu>	
Gen Funct	SOURce:VOLTage:AM <nu>	
Gen Funct	SOURce:VOLTage:CH2Stereo <nu>	
Gen Funct	SOURce:VOLTage:CREStfactor:MODE MINimized DPHase	
Gen Funct	SOURce:VOLTage:EQUalize Alias SOURce:VOLTage:STEReo:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:EQUalize:CHANnels TRACK SPLit	
Gen Funct	SOURce:VOLTage:LOWLevel <nu>	
Gen Config	SOURce:VOLTage:MAXimum <nu>	
Gen Funct	SOURce:VOLTage:OFFSet:CHANnels TRACK SPLit	
Gen Funct	SOURce:VOLTage:OFFSet:STATe ON OFF CH1And2 (Stereo Sinus only)	
Gen Funct	SOURce:VOLTage:OFFSet<ch> <nu>	
Gen Config	SOURce:VOLTage:RANGe	

Group	Command-Mnemonic	New
	AUTO FIX	
Gen Funct	SOURce:VOLTage:RATio <n>	
Gen Config	SOURce:VOLTage:REFerence <nu>	
Gen Funct	SOURce:VOLTage:SElect VLRT VLVL	
Gen Funct	SOURce:VOLTage:STEReo2:EQUalize ON OFF	
Gen Funct	SOURce:VOLTage:TOTal <nu>	
Gen Funct	SOURce:VOLTage:TOTal:GAIN <nu>	
Gen Funct	SOURce:VOLTage<i> <nu> <i> = 3 ... 32	
Gen Funct	SOURce:VOLTage<i>:RMS <nu>	
Gen Funct	SOURce:VOLTage2 <nu>	
Special	STATUs:OPERation? Alias STATUs:OPERation:EVENT? STATUs:OPERation:CONDition? STATUs:OPERation:ENABle <n> STATUs:OPERation:PTRansition <n> STATUs:OPERation:NTRansition <n> STATUs:QUEStionable? Alias STATUs:QUEStionable:EVENT? STATUs:QUEStionable:CONDition? STATUs:QUEStionable:ENABle <n> STATUs:QUEStionable:PTRansition <n> STATUs:QUEStionable:NTRansition <n> STATUs:XQUEStionabl? Alias STATUs:XQUEStionabl:EVENT? STATUs:XQUEStionabl:CONDition? STATUs:XQUEStionabl:ENABle <n> STATUs:XQUEStionabl:PTRansition <n> STATUs:XQUEStionabl:NTRansition <n> STATUs:QUEStionable:MEASuring? Alias STATUs:QUEStionable:MEASuring:EVENT? STATUs:QUEStionable:MEASuring:CONDition? STATUs:QUEStionable:MEASuring:ENABle <n> STATUs:QUEStionable:MEASuring:PTRansition <n> STATUs:QUEStionable:MEASuring:NTRansition <n>	

Group	Command-Mnemonic	New
	STATus:QUEStionable:OVERrange? Alias STATus:QUEStionable:OVERrange:EVENT? STATus:QUEStionable:OVERrange:CONDition? STATus:QUEStionable:OVERrange:ENABle <n> STATus:QUEStionable:OVERrange:PTRansition <n> STATus:QUEStionable:OVERrange:NTRansition <n> STATus:QUEStionable:UNDerrange? Alias STATus:QUEStionable:UNDerrange:EVENT? STATus:QUEStionable:UNDerrange:CONDition? STATus:QUEStionable:UNDerrange:ENABle <n> STATus:QUEStionable:UNDerrange:PTRansition <n> STATus:QUEStionable:UNDerrange:NTRansition <n> UNDerrange Alias UNDERrange <n> = Unsigned Integer 0 ... 65535 STATus:QUEue[:NEXT]? STATus:PRESet	
Switcher	SWITcher:COMPort COM3 COM4 COM5 COM6 AUTO	(new)
Switcher	SWITcher:CONNection COM USB	
Switcher	SWITcher:INPA <n>	
Switcher	SWITcher:INPB <n>	
Switcher	SWITcher:OFFSet:BVSA <n>	
Switcher	SWITcher:OFFSet:OVSI <n>	
Switcher	SWITcher:OUTA <n>	
Switcher	SWITcher:OUTB <n>	
Switcher	SWITcher:STATe ON OFF	
Switcher	SWITcher:TRACking OFF BVSA or CH2V OVSI or OVI ALL	
Config	SYSTem:CHNString 'String' String: 'Ch1;;Ch2;;Ch3;;Ch4;; ;;Ch16'	
Config	SYSTem:COMMunicate:GPIB:ADDRes <n>	

Group	Command-Mnemonic	New
	<n> = 0 ... 31	
Special	SYSTem:DISPlay:EXPLAnation<i>:HIDE <i> = 1...10 No query	
Special	SYSTem:DISPlay:EXPLAnation<i>:SHOW 'String' String = 'x=0,y=10,w=200,h=100' <i> = 1...10 No query	
Special	SYSTem:DISPlay:EXPLAnation<i>:TEXT “<RTF-Text>” <i> = 1...10 No query	
Config	SYSTem:DISPlay:SCPIUpdate OFF ON	
Config	SYSTem:HELp:LANGUage ENGLish GERMan	
Config	SYSTem:MAXChdisp <n> <n> = 1 ... 16	
Special	SYSTem:MEMory:DATA<i> <n,n,n,...,n> Or SYSTem:MEMory:DATA<i> #<LengthofLength><Length><Binary data as float> <i> = 1 ... 16	
Special	SYSTem:MEMory:FREE STRing DATA No query	
Special	SYSTem:MEMory:STRing<i> 'String' <i> = 1 ... 1024 Stringlength max. 540 Byte	
Config	SYSTem:PLUGin:CONFig:DSTRing 'xxx'	
Config	SYSTem:PLUGin:CONFig:SHOW ON OFF	
Config	SYSTem:PLUGin:DISPlay:SHOW ON OFF	
Config	SYSTem:PLUGin:DLL 'DLL-Filename'	

Group	Command-Mnemonic	New
Config	SYSTem:PLUGin:INFO? Query only	
Config	SYSTem:PROFile:CLIPboard 'Filename'	
Config	SYSTem:PROFile:FILE 'Filename'	
Config	SYSTem:PROFile:PRINter 'Filename'	
Config	SYSTem:PROFile:SCREen 'Filename'	
Special	SYSTem:PROGramm:EXECute 'xxx.exe'	
Config	SYSTem:QLONG OFF ON	
Special	SYSTem:SHUtdown SYSTem:SHUtdown <nu> No query	
Special	SYSTem:SINFo 'String'	
Special	SYSTem:SINFo:MAC? Query only	
Special	SYSTem:VERSIon? Query only Answer always 1999.0	
Config	SYSTem:WINStyle OFF ON	
Load Trc	TRACe:Subsys<i>:LDList:AX? TRACe:Subsys<i>:LDList:AY? TRACe:Subsys<i>:LDList:BX? TRACe:Subsys<i>:LDList:BY? Query only	
Load Trc	TRACe:Subsys<i>:LDList:COUNT:AX? TRACe:Subsys<i>:LDList:COUNT:AY? TRACe:Subsys<i>:LDList:COUNT:BX? TRACe:Subsys<i>:LDList:COUNT:BY? Query only	
Load Trc	TRACe:Subsys<i>:LOAD:AX? TRACe:Subsys<i>:LOAD:AY? TRACe:Subsys<i>:LOAD:BX? TRACe:Subsys<i>:LOAD:BY? Query only	
Load Trc	TRACe:Subsys<i>:LOAD:COUNT:AX? TRACe:Subsys<i>:LOAD:COUNT:AY? TRACe:Subsys<i>:LOAD:COUNT:BX? TRACe:Subsys<i>:LOAD:COUNT:BY? Query only	

Group	Command-Mnemonic	New
Store Trc	TRACe:SWE<i>:STORE:AX <n,n,n,n> TRACe:Subsys<i>:STORE:AY <n,n,n,n,n> TRACe:SWE<i>:STORE:BX <n,n,n,n,n> TRACe:Subsys<i>:STORE:BY <n,n,n,n,n> May be a set of ASCII data <n,n, ,n,n> or a set of binary data #<LengthofLength><Length><Binary data as float> AX and BX only for SWEep Subsystem! To manipulate a sweep axis, it is strictly recommended to set the X-Source to "Manual" No query Query replacement is the command TRACe:Subsys<i>:LOAD:AX AY BX BY?	
Anl Config	TRIGger:CHANnel OFF CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8 CH9 CH10 CH11 CH12 CH13 CH14 CH15 CH16	
Anl Config	TRIGger:COUNt <n>	
Anl Config	TRIGger:DELay <nu>	
Anl Config	TRIGger:FREQUency:VARiation <nu>	
Anl Config	TRIGger:PLAYbefmeas ON OFF	
Anl Config	TRIGger:SOURce Dual channel: AUTO or AUTo or IMMEDIATE TIMer TCHart CH1Freq CH2Freq CH1Rapidfreq CH2Rapidfreq CH1Level CH2Level CH1Trigger CH2Trigger CH1Edgetrigger CH2Edgetrigger	

Group	Command-Mnemonic	New
	Multichannel: AUTO TIMer FREQuency RAPidfreq LEVel TRIGger EDGetrigger	
Anl Config	TRIGger:TIMer <nu>	
Anl Config	TRIGger:VOLTage:VARiation <nu>	

New Remote Control Commands arranged in groups

Group	Command-Mnemonic	New
Anl Config	INPut:DWNFactor M8 M16 M32 M64 M128 M256	(new)
Anl Config	SENSe:TRIGger:SETTling:MODE OFF EXPOntential FLAT AVERAge	(new)
Anl Funct	SENSe:FUNcTion:POLQa:AVERaging OFF ON	(new)
Gen Config	OUTPut:BANDwidth:MODE B22 B40 B80 AUTO or AUTO SIN185	(new)
Gen Funct	SOURce:PLAY:MUTing OFF AFTermeas	(new)
Gen Funct	SOURce:SWEEp:ZAXis OFF FREQuency VOLTage ONTIme INTerval or INTervall PHASe	(new)
Switcher	SWITcher:COMPort COM3 COM4 COM5 COM6 AUTO	(new)

New alphabetical sorted Remote Control Commands

Group	Command-Mnemonic	New
Anl Config	INPut:DWNFactor M8 M16 M32 M64 M128 M256	(new)

Group	Command-Mnemonic	New
Gen Config	OUTPut:Bandwidth:MODE B22 B40 B80 AUTO or AUTO SIN185	(new)
Anl Funct	SENSe:FUNCTion:POLQa:AVERaging OFF ON	(new)
Anl Config	SENSe:TRIGger:SETTling:MODE OFF EXPOntial FLAT AVERage	(new)
Gen Funct	SOURce:PLAY:MUTing OFF AFTermeas	(new)
Gen Funct	SOURce:SWEEp:ZAXis OFF FREQuency VOLTage ONTIme INTerval or INTervall PHASe	(new)
Switcher	SWITcher:COMPort COM3 COM4 COM5 COM6 AUTO	(new)