Short Form	Long Form	Subsystem	Painel Location	Query	Command
ACQW	ACQUIRE_WAY	ACQUISITION	MENU/ACQUIRE	acqw()	acqw(‘mode’[, times])
ALST?	ALL_STATUS?	STATUS	-	alst()	-
ARM	ARM_ACQUISITION	ACQUISITION	-	-	arm()
ATTN	ATTENUATION	ACQUISITION	VERTICAL/CHANNEL	attn([channel])	attn(channel, value)
ACAL	AUTO_CALIBRATE	MISCELLANEOUS	-	-	-
ASET	AUTO_SETUP	ACQUISITION	AUTO BUTTON	-	aset()
AUTTS	AUTO_TYPESET	ACQUISITION	AUTO BUTTON (after press)	autts()	autts(‘value’)
AVGA	AVERAGE_ACQUIRE	ACQUISITION	MENU/ACQUIRE	avga()	avga(value)
BWL	BANDWIDTH_LIMIT	ACQUISITION	VERTICAL/CHANNEL	bwl([channel])	bwl(channel, ‘value’)
BUZZ	BUZZER	MISCELLANEOUS	MENU/UTILITY	buzz()	buzz(‘value’)
*CAL?	CAL?	MISCELLANEOUS	MENU/UTILITY	_cal()	-
*CLS	CLS	STATUS	-	-	_cls()
CMR?	CMR?	STATUS	-	crm()	-
CHDR	COMM_HEADER	COMMUNICATION	-	chdr()	chdr(‘value’)
CONET	COMM_NET	COMMUNICATION	MENU/UTILITY	conet()	-
COUN	COUNTER	FUNCTION	MENU/UTILITY	coun()	coun(‘value’)
CPL	COUPLING	ACQUISITION	VERTICAL/CHANNEL	cpl([channel])	cpl(channel, ‘value’)
CSVS	CSV_SAVE	SAVE/RECALL	MENU/SAVE/RECALL	csvs()	csvs(‘dd’[, ‘save’])
CRAU	CURSOR_AUTO	CURSOR	MENU/CURSORS	-	crau()
CRMS	CURSOR_MEASURE	CURSOR	MENU/CURSORS	crms()	crms(‘value’)
CRST	CURSOR_SET	CURSOR	MENU/CURSORS	crst([channel])	crst(channel, vref, vdif, tref, tdif, href, hdif)
CRVA?	CURSOR_VALUE?	CURSOR	MENU/CURSORS	crva([channel])	-

Short Form	Long Form	Subsystem	Painel Location	Query	Command
CYMT	CYMOMETER	FUNCTION	-	cymt()	-
DDR?	DDR?	STATUS	-	ddr()	'
DEF	DEFINE	FUNCTION	VERTICAL/MATH	defm()	defm(‘oper’, sourceA[, sourceB])
DELF	DELETE_FILE	MASS_STORAGE	-	-	delf(‘file’)
DIR	DIRECTORY	MASS_STORAGE	-	dir([‘path’])	dir(‘path’, ‘action’)
DTJN	DOT_JOIN	DISPLAY	MENU/DISPLAY	dtjn()	dtjn(‘value’)
*ESE	ESE	STATUS	-	_ese()	_ese(value)
*ESR?	ESR?	STATUS	-	_esr()	-
EXR?	EXR?	STATUS		exr()	-
FFTF	FFT_FULLSCREEN	FUNCTION	VERTICAL/MATH	fftf()	fttf(‘value’)
FFTS	FFT_SCALE	FUNCTION	VERTICAL/MATH	ffts()	ffts(‘value’)
FFTW	FFT_WINDOW	FUNCTION	VERTICAL/MATH	fftw()	fftw(‘value’)
FFTZ	FFT_ZOOM	FUNCTION	VERTICAL/MATH	fftz()	fftz(value)
FLNM	FILENAME	MASS_STORAGE	-	flnm()	flnm(‘ftype’, ‘fname’)
FILTS	FILT_SET	FUNCTION	VERTICAL/CHANNEL	filts([channel])	filts(channel, ‘LP’, ‘upplimit’) filts(channel, ‘HP’, ‘lowlimit’) filts(channel, ‘BP’, ‘upplimit’, ‘lowlimit’) filts(channel, ‘BR’, ‘upplimit’, ‘lowlimit’)
FILT	FILTER	FUNCTION	VERTICAL/CHANNEL	filt([channel])	filt(channel, ‘value’)
FRTR	FORCE_TRIGGER	ACQUISITION	-	-	frtr()
FVDISK	FORMAT_VDISK	MASS_STORAGE	-	fvdisk()	-
GCSV	GET_CSV	WAVEFORMTRANS	-	gcsv([‘dd’] [,‘save’])	-
GRDS	GRID_DISPLAY	DISPLAY	MENU/DISPLAY	grds()	grds(‘value’)
*IDN?	IDN?	MISCELLANEOUS	-	_idn()	-
INR?	INR?	STATUS	-	inr()	-
INTS	INTENSITY	DISPLAY	MENU/DISPLAY	ints()	ints(trace, grid)

Short Form	Long Form	Subsystem	Painel Location	Query	Command
ILVD	INTERLEAVED	ACQUISITION	MENU/ACQUIRE	ilvd()	ilvd(‘value’)
INVS	INVERT_SET	DISPLAY	VERTICAL/CHANNEL	invs([channel])	invs(channel, ‘value’)
LOCK	LOCK	MISCELLANEOUS	-	lock()	lock(‘value’)
MTVD	MATH_VERT_DIV	ACQUISITION	VERTICAL/MATH	mtvd()	mtvd(‘value’)
MTVP	MATH_VERT_POS	ACQUISITION	VERTICAL/MATH	mtvp()	mtvp(value)
MEAD	MEASURE_DELAY	ACQUISITION	MENU/MEASURE	mead([‘value’])	-
MENU	MENU	DISPLAY	MENU BUTTON	menu()	menu(‘value’)
OFST	OFFSET	ACQUISITION	VERTICAL/POSITION	ofst([channel])	ofst(channel, value)
*OPC	OPC	STATUS	-	_opc()	_opc(value)
*OPT?	OPT?	MISCELLANEOUS	-	_opt()	-
PNSU	PANEL_SETUP	SAVE/RECALL	-	-	pnsu(‘file’, ‘action)
PACL	PARAMETER_CLR	FUNCTION	-	-	pacl()
PAVA?	PARAMETER_VALUE?	CURSOR	MENU/MEASURE	pava(channel [,’param’] [,discret])	
PDET	PEAK_DETECT	ACQUISITION	MENU/ACQUIRE	pdet()	pdet(‘value’)
PERS	PERSIST	DISPLAY	MENU/DISPLAY	pers()	pers(‘value’)
PESU	PERSIST_SETUP	DISPLAY	MENU/DISPLAY	pesu()	pesu(value) pesu(‘value’)
PFCT	PF_CONTROL	FUNCTION	MENU/UTILITY	pfct()	pfct(trace, ‘control’, ‘output’, ‘outputstop’)
PFCM	PF_CREATEM	FUNCTION	MENU/UTILITY	-	pfcm()
PFDD	PF_DATADIS	FUNCTION	MENU/UTILITY	pfdd()	-
PFDS	PF_DISPLAY	FUNCTION	MENU/UTILITY	pfds()	pfds(‘test’[, ‘display’])
PFSL	PF_SAVELOAD	SAVE/RECALL	MENU/UTILITY	-	pfsl(‘location’, ‘action’)

Short Form	Long Form	Subsystem	Painel Location	Query	Command
PFST	PF_SET	FUNCTION	MENU/UTILITY	pfst()	pfst(xmask[, ymask])
*RCL	RCL	SAVE/RECALL	MENU/SAVE/RECALL	-	_rcl(value)
RCPN	RECALL_PANEL	SAVE/RECALL	MENU/SAVE/RECALL	-	rcpn(‘file’)
REFS	REF_SET	FUNCTION			
*RST	RST	SAVE/RECALL	DEFAULT SETUP BUTTON	-	_rst()
RUN	RUN	ACQUISITION	RUN/STOP BUTTON	-	run()
SANU	SAMPLE_NUM	ACQUISITION	-	sanu([channel])	-
SARA	SAMPLE_RATE	ACQUISITION	-	sara()	-
SAST	SAMPLE_STATUS	ACQUISITION	-	sast()	-
*SAV	SAV	SAVE/RECALL	MENU/SAVE/RECALL	-	_sav(value)
SCDP	SCREEN_DUMP	HARD_COPY	-	-	scdp()
SCSV	SCREEN_SAVE	DISPLAY	-	scsv()	scsv(‘value’)
SET50	SETTO%50	FUNCTION	SET TO 50% BUTTON	-	set50()
SXSA	SINXX_SAMPLE	ACQUISITION	MENU/ACQUIRE	sxsa()	sxsa(‘value’)
SKEW	SKEW	ACQUISITION	VERTICAL/CHANNEL	skew([channel])	skew(channel, value)
*SRE	SRE	STATUS	-	_sre()	_sre(value)
*STB?	STB?	STATUS	-	_stb()	-
STOP	STOP	ACQUISITION	RUN/STOP BUTTON	-	stop()
STO	STORE	WAVEFORM_TRANSFER	MENU/SAVE/RECALL	-	sto(‘trace’, ‘dest’)
STPN	STORE_PANEL	SAVE/RECALL	MENU/SAVE/RECALL	-	stpn(‘file’)
STST	STORE_SETUP	WAVEFORM_TRANSFER	MENU/SAVE/RECALL	stst()	stst(‘trace’, ‘dest’)
TMPL	TEMPLATE	WAVEFORM	-	tmpl()	-
TDIV	TIME_DIV	ACQUISITION	HORIZONTAL	tdiv([value])	tdiv(value1) tdiv(‘value2’)
TRA	TRACE	DISPLAY	VERTICAL/CHANNEL	tra([channel])	tra(channel, value)
*TRG	TRG	ACQUISITION	-	-	_trg()

Short Form	Long Form	Subsystem	Painel Location	Query	Command
TRCP	TRIG_COUPLING	ACQUISITION	TRIG MENU BUTTON	trcp()	trcp(‘value’)
TRDL	TRIG_DELAY	ACQUISITION	HORIZONTAL/POSITION	trdl()	trdl(value1) trdl(‘value2’)
TRLV	TRIG_LEVEL	ACQUISITION	TRIGGER/LEVEL	trlv([channel])	trlv(channel, ‘value’) trlv(‘channel’, ‘value’) trlv(channel, value) trlv(‘channel’, value)
TRMD	TRIG_MODE	ACQUISITION	TRIG MENU BUTTON	trmd()	trmd(‘value’)
TRSE	TRIG_SELECT	ACQUISITION	TRIG MENU BUTTON	trse([trigger][, source])	trse(‘EDGE’, source[, ‘ht’], ‘hv’) trse(‘GLIT’, source, ‘ht’[, ‘hv’]) trse(‘SLEW’, source, ‘ht’[, ‘hv’]) trse(‘SLEW’, source, ‘vert’) trse(‘TV’, source, ‘char’, ‘pol’, ‘sync’, [line])
TRSL	TRIG_SLOPE	ACQUISITION	TRIG MENU BUTTON	trsl()	trsl(‘value’)
UNIT	UNIT	ACQUISITION	VERTICAL/CHANNEL	unit([channel])	unit(channel, ‘value’)
VTCL	VERTICAL	ACQUISITION	TRIG MENU BUTTON	vtcl([channel])	vtcl(channel, value, ‘vert’) vtcl(channel, ‘value’, ‘vert’)
VDIV	VOLT_DIV	ACQUISITION	VERTICAL/VARIABLE	vdiv([channel])	vdiv(channel, value) vdiv(channel, ‘value’)
WAIT	WAIT	0	-	-	wait([time])
WF	WAVEFORM	WAVEFORMTRANS	-	wf([channel])	-
WFSU	WAVEFORM_SETUP	WAVEFORMTRANS	-	wfsu()	wfsu(sp, np, fp, sn)
XYDS	XY_DISPLAY	DISPLAY	MENU/DISPLAY	xyds()	xyds(‘value’)

Parameters
mode={ PEAK_DETECT, SAMPLING, AVERAGE } times={ 4, 16, 32, 64, 128, 256 } for mode=AVERAGE
-
-
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ 1, 5, 10, 50, 100, 500, 1000 }
-
-
value={ SP, MP, RS, DRP, RC }
value={ 4, 16, 32, 64, 128, 256 }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ ON, OFF }
value={ ON, OFF }
-
-
-
value={ OFF, SHORT, LONG }
-
value={ ON, OFF }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ A1M, D1M, GND }
dd={ DIS, **MAX** } save={ ON, **OFF** }
-
value={ OFF, AUTO, VREL, HREL }
channel={ 1, 2, 3, 4 } (number of avaliable channels) vref={ -4.0 ~ 4.0 } vdif={ -4.0 ~ 4.0 } tref={ -8.0 ~ 8.0 } tdif={ -8.0 ~ 8.0 } href={ -0.1 ~ 15.9 } hdif={ -0.1 ~ 15.9 }
-

Parameters
-
-
oper={ FFT, +, -, *, / } sourceA={ 1, 2, 3, 4 } (number of avaliable channels) sourceB={ 1, 2, 3, 4 } (number of avaliable channels)
file={ / , / FILE , /DIRECTORY/FILE }
path={ / , / FILE , /DIRECTORY/FILE } action={ CREATE, DELETE }
value={ ON, OFF }
value={ 0 ~ 255 }
-
-
value={ ON, OFF }
value={ DBVRMS, VRMS }
value={ RECT, BLAC, HANN, HAMM }
value={ 1, 2, 5, 10 }
ftype={ C1, C2, TA, TB, SETUP, HCOPY } fname={ DOS_FILENAME }
channel={ 1, 2, 3, 4 } (number of avaliable channels) ftype={ LP, HP, BP, BR } upplimit={ value[M,K]Hz } lowlimit={ value[M,K]Hz }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ ON, OFF }
-
-
dd={ **DIS**, MAX } save={ ON, **OFF** }
value={ FULL, HALF, OFF }
-
-
trace={ 30 ~ 100 } grid={ 0 ~100 }

Parameters
value={ ON, OFF }
value={ ON, OFF }
value={ ON, OFF }
value={ 1, 2, 5, 10, 20, 50, 100, 200, 500pV ~ 100V }
value={ -230 ~ 230 }
value={ PHA, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF }
value={ ON, OFF }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ -1.60V ~ 1.60V or -40.00V ~ 40.00V } vdiv depend.
value={ 1 }
-
file={ [/DIRECTORY/]FILE.SET } action={ SAVE, RECALL }
-
channel={ 1, 2, 3, 4 } (number of avaliable channels) param={ PKPK, MAX, MIN, AMPL, TOP, BASE, CMEAN, MEAN, RMS, CRMS, OVSN, FPRE, OVSP, RPRE, FREQ, PER, PWID, NWID, RISE, FALL, WID, DUTY, NDUTY } discret={ True, **False** }
value={ ON, OFF }
value={ ON, OFF }
value={ 1, 2, 5 } 'value'={ OFF, INFINITE }
tracel={ 1, 2, 3, 4 } (number of avaliable channels) control={ START, STOP } output={ FAIL, PASS } outputstop={ ON, OFF }
-
-
test={ ON, OFF } display={ ON, OFF }
location={ IN, EX } action={ SAVE, LOAD }

Parameters
xmask={ 0.04 ~ 4.0 } ymask={ 0.04 ~ 4.0 }
value={ 1 ~ 20 }
file={ /[DIRECTORY/]DOS_FILENAME.SET }
-
-
channel={ 1, 2, 3, 4 } (number of avaliable channels)
-
-
value={ 1 ~ 20 }
-
value={ YES, NO }
-
value={ ON, OFF }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ -100 ~ 100 } (ns)
value={ 0 ~ 255 }
-
-
trace={ C1, C2, TA, TB, ALL_DISPLAYED } dest={ M1 ~ M10 or UDSK }
file={ /[DIRECTORY/]DOS_FILENAME.SET }
trace={ C1, C2, TA, TB, ALL_DISPLAYED } dest={ M1 ~ M10 or UDSK }
-
value={ True, **False** } value1={ 2.50e-9 ~ 50 } (seg) value2={ 2.5ns, 5ns, 10ns, 25ns, 50ns, 100ns, 250ns … 50s }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ ON, OFF }
-

Parameters
value={ AC, DC, HFREJ, LFREJ }
value1={ -813e-6 ~ 6.95e-3 } (depending, for TDIV of 50us) value2={ -813us ~ 6.95ms } (depending, for TDIV of 50us)
channel={ 1, 2, 3, 4 } (number of avaliable channels) 'channel'={ EX, EX5 } value={ +- 0.004 ~ 60 } (float numbers) 'value'={+- 4mV ~ 60V } (literal inputs) obs: value=(+- 6DIV * volt/div) – offset
value={ AUTO, NORM, SINGLE, STOP }
trigger={ EDGE, GLIT, SLEW, TV } source={ 1, 2, 3, 4, 'EX', 'EX5', 'LINE' } ht={ TI } for EDGE { PS, PL, PE } for GLIT { IS, IL, IE } for SLEW hv={ 100ns ~ 1.5s } for EDGE { 20ns ~ 10s } for GLIT and SLEW vert={ UP, DOWN, BOTH } char={ NTSC, PALSEC } pol={ PO, NE } sync={ AL, LN, OF, EF } line={ 1 ~ 525 } for NTSC { 1 ~ 625 } for PALSEC
value={ POS, NEG, WINDOW }
value={ A, V }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ -100 ~ 100 } pts or { 0.04 ~ 10.0 } volts 'value'={ 40mV ~ 10V } vert={ UP, DOWN, BOTH }
channel={ 1, 2, 3, 4 } (number of avaliable channels) value={ 2e-3 ~ 10 } 'value'={ 2mV ~ 10V }
time={ 0.001 ~ 10 }
channel={ 1, 2, 3, 4 } (number of avaliable channels)
sp={ 1 ~ 50 } np={ 0 ~ 20000 } fp={ 0 ~ 20000 } sn={ 0 ~ 1000 }
value={ ON, OFF }