# Agilent 34980A Multifunction Switch/Measure Unit Command Quick Reference

Version 1.1

## Syntax Conventions

- Braces ( **{ }** ) enclose the parameter choices for a given command string. The braces are not sent with the command string.
- A vertical bar ( **|** ) separates multiple parameter choices for a given command string.
- Triangle brackets ( **< >** ) indicate that you must specify a value for the enclosed parameter. The brackets are not sent with the command string. You must specify a value for the parameter (e.g., "VOLT:DC:RANG 10").
- Some parameters are enclosed in square brackets ( **[ ]** ). The square brackets indicate that the parameter is optional and can be omitted. The brackets are not sent with the command string. If you do not specify a value for an optional parameter, the instrument chooses a default value.

## Measurement Commands

MEASure:CURRent:AC? [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure:CURRent[:DC]? [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure:DIGital? {BYTE|1|WORD|2|LWORd|4}, [<*voltage*>,] [{NORMal|INVerted} , ] (@<*ch_list*>)

MEASure:DIGital:{BYTE|1|WORD|2|LWORd|4}? (@<*ch_list*>)

MEASure:FREQuency? [{<*range*>|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure:FRESistance? [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure:PERiod? [{<*range*>|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure:RESistance? [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure:TEMPerature? {TCouple|RTD|FRTD|THERmistor|DEF}, {<*type*>|DEF} [,1 [,{<*resolution*>|MIN|MAX|DEF}] ] [, (@<*ch_list*>)]

MEASure:TOTalize? [{READ|RRESet},] (@<*ch_list*>)

MEASure[:VOLTage]:AC? [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

MEASure[:VOLTage][:DC]? [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]

## Temperature Configuration Commands

CONFigure:TEMPerature {TCouple|RTD|FRTD|THERmistor|DEF}, {<*type*>|DEF} [,1 [,{<*resolution*>|MIN|MAX|DEF}] ]
[, (@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]TEMPerature:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]TEMPerature:APERture:ENABled? [(@<*ch_list*>)]

[SENSe:]TEMPerature:NPLC {<*PLCs*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:NPLC? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]TEMPerature:TRANsducer:TYPE {TCouple|RTD|FRTD|THERmistor} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:TYPE? [(@<*ch_list*>)]

[SENSe:]TEMPerature:ZERO:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:ZERO:AUTO? [(@<*ch_list*>)]

UNIT:TEMPerature {C|F|K} [, (@<*ch_list*>)]
UNIT:TEMPerature? [(@<*ch_list*>)]

### Thermocouple Configuration

[SENSe:]TEMPerature:RJUNction[:INTernal]? (@<*ch_list*>)

[SENSe:]TEMPerature:TRANsducer:TCouple:CHECk {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:TCouple:CHECk? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:TCouple:IMPedance:AUTO
[SENSe:]TEMPerature:TRANsducer:TCouple:IMPedance:AUTO?

[SENSe:]TEMPerature:TRANsducer:TCouple:RJUNction {<*temperature*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:TCouple:RJUNction? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]TEMPerature:TRANsducer:TCouple:RJUNction:EXTernal?

[SENSe:]TEMPerature:TRANsducer:TCouple:RJUNction:TYPE {EXTernal|FIXed|INTernal} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:TCouple:RJUNction:TYPE? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:TCouple:TYPE {B|E|J|K|N|R|S|T} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:TCouple:TYPE? [(@<*ch_list*>)]

### RTD Configuration

[SENSe:]TEMPerature:TRANsducer:FRTD:OCOMpensated {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:FRTD:OCOMpensated? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:FRTD:REFerence {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:FRTD:REFerence? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:FRTD:RESistance[:REFerence] {<*reference*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:FRTD:RESistance[:REFerence]? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]TEMPerature:TRANsducer:FRTD:TYPE {85|91} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:FRTD:TYPE? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:RTD:OCOMpensated {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:RTD:OCOMpensated? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:RTD:REFerence {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:RTD:REFerence? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:RTD:RESistance[:REFerence] {<*reference*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:RTD:RESistance[:REFerence]? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]TEMPerature:TRANsducer:RTD:TYPE {85|91} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:RTD:TYPE? [(@<*ch_list*>)]

#### Thermistor Configuration

[SENSe:]TEMPerature:TRANsducer:THERmistor:REFerence {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:THERmistor:REFerence? [(@<*ch_list*>)]

[SENSe:]TEMPerature:TRANsducer:THERmistor:TYPE {2252|5000|10000} [, (@<*ch_list*>)]
[SENSe:]TEMPerature:TRANsducer:THERmistor:TYPE? [(@<*ch_list*>)]

## Voltage Configuration Commands

#### DC Voltage Configuration

CONFigure[:VOLTage][:DC] [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]VOLTage[:DC]:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]VOLTage[:DC]:APERture:ENABled? [(@<*ch_list*>)]

[SENSe:]VOLTage[:DC]:IMPedance:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:IMPedance:AUTO? [(@<*ch_list*>)]

[SENSe:]VOLTage[:DC]:NPLC {<*PLCs*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:NPLC? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]VOLTage[:DC]:RANGe {<*range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]VOLTage[:DC]:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:RANGe:AUTO? [(@<*ch_list*>)]

[SENSe:]VOLTage[:DC]:RESolution {<*resolution*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:RESolution? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]VOLTage[:DC]:ZERO:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]VOLTage[:DC]:ZERO:AUTO? [(@<*ch_list*>)]

#### AC Voltage Configuration

CONFigure[:VOLTage]:AC [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]VOLTage:AC:BANDwidth {3|20|200|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]VOLTage:AC:BANDwidth? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]VOLTage:AC:RANGe {<*range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]VOLTage:AC:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]VOLTage:AC:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]VOLTage:AC:RANGe:AUTO? [(@<*ch_list*>)]

## Resistance Configuration Commands

#### 2-Wire Resistance Configuration

CONFigure:RESistance [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]RESistance:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]RESistance:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]RESistance:APERture:ENABled? [(@<*ch_list*>)]

[SENSe:]RESistance:NPLC {<*PLCs*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]RESistance:NPLC? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]RESistance:OCOMpensated {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]RESistance:OCOMpensated? [(@<*ch_list*>)]

[SENSe:]RESistance:RANGe {<*range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]RESistance:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]RESistance:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]RESistance:RANGe:AUTO? [(@<*ch_list*>)]

[SENSe:]RESistance:RESolution {<*resolution*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]RESistance:RESolution? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]RESistance:ZERO:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]RESistance:ZERO:AUTO? [(@<*ch_list*>)]

#### 4-Wire Resistance Configuration

CONFigure:FRESistance [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]FRESistance:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FRESistance:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]FRESistance:APERture:ENABled? [(@<*ch_list*>)]

[SENSe:]FRESistance:NPLC {<*PLCs*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FRESistance:NPLC? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]FRESistance:OCOMpensated {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]FRESistance:OCOMpensated? [(@<*ch_list*>)]

[SENSe:]FRESistance:RANGe {<*range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FRESistance:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]FRESistance:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]FRESistance:RANGe:AUTO? [(@<*ch_list*>)]

[SENSe:]FRESistance:RESolution {<*resolution*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FRESistance:RESolution? [{(@<*ch_list*>)|MIN|MAX}]

## Current Configuration Commands

### DC Current Configuration

CONFigure:CURRent[:DC] [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]CURRent[:DC]:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]CURRent[:DC]:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]CURRent[:DC]:APERture:ENABled? [(@<*ch_list*>)]

[SENSe:]CURRent[:DC]:NPLC {<*PLCs*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]CURRent[:DC]:NPLC? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]CURRent[:DC]:RANGe {<*range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]CURRent[:DC]:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]CURRent[:DC]:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]CURRent[:DC]:RANGe:AUTO? [(@<*ch_list*>)]

[SENSe:]CURRent[:DC]:RESolution {<*resolution*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]CURRent[:DC]:RESolution? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]CURRent[:DC]:ZERO:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]CURRent[:DC]:ZERO:AUTO? [(@<*ch_list*>)]

### AC Current Configuration

CONFigure:CURRent:AC [{<*range*>|AUTO|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]CURRent:AC:BANDwidth {3|20|200|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]CURRent:AC:BANDwidth? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]CURRent:AC:RANGe {<*range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]CURRent:AC:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]CURRent:AC:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]CURRent:AC:RANGe:AUTO? [(@<*ch_list*>)]

## Frequency and Period Configuration Commands

### Frequency Configuration

CONFigure:FREQuency [{<*range*>|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]FREQuency:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FREQuency:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]FREQuency:RANGe:LOWer {<*timeout*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FREQuency:RANGe:LOWer? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]FREQuency:VOLTage:RANGe {<*voltage_range*>|AUTO|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]FREQuency:VOLTage:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]FREQuency:VOLTage:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]FREQuency:VOLTage:RANGe:AUTO? [(@<*ch_list*>)]

### Period Configuration

CONFigure:PERiod [{<*range*>|MIN|MAX|DEF} [,{<*resolution*>|MIN|MAX|DEF}] , ] [(@<*ch_list*>)]
CONFigure? [(@<*ch_list*>)]

[SENSe:]PERiod:APERture {<*seconds*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]PERiod:APERture? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]PERiod:VOLTage:RANGe {<*voltage_range*>|MIN|MAX|DEF} [, (@<*ch_list*>)]
[SENSe:]PERiod:VOLTage:RANGe? [{(@<*ch_list*>)|MIN|MAX}]

[SENSe:]PERiod:VOLTage:RANGe:AUTO {OFF|0|ON|1} [, (@<*ch_list*>)]
[SENSe:]PERiod:VOLTage:RANGe:AUTO? [(@<*ch_list*>)]

## Digital I/O and Totalizer Configuration Commands

### Digital I/O Configuration

CONFigure:DIGital {BYTE|1|WORD|2|LWORd|4}, [<*voltage*>,] [{NORMal|INVerted},] (@<*ch_list*>)

CONFigure:DIGital:DIRection {INPut|0|OUTPut|1}, (@<*ch_list*>)
CONFigure:DIGital:DIRection? (@<*ch_list*>)

CONFigure:DIGital:HANDshake SYNChronous, [<*thresh_voltage*>, [<*level_voltage*>, [<*polarity*>,]]]
(@<*ch_list*>)

CONFigure:DIGital:HANDshake:CTIMe {<*seconds*>|MIN|MAX|DEF}, (@<*ch_list*>)
CONFigure:DIGital:HANDshake:CTIMe? [{MIN|MAX},] (@<*ch_list*>)

CONFigure:DIGital:HANDshake:DRIVe {ACTive|OCOLlector}, (@<*ch_list*>)
CONFigure:DIGital:HANDshake:DRIVe? (@<*ch_list*>)

CONFigure:DIGital:HANDshake:POLarity {NORMal|INVerted}, [{H0|0|H1|1|H2|2|ALL},] (@<*ch_list*>)
CONFigure:DIGital:HANDshake:POLarity? {H0|0|H1|1|H2|2}, (@<*ch_list*>)

CONFigure:DIGital:HANDshake:RATE {<*frequency*>|MIN|MAX|DEF}, (@<*ch_list*>)
CONFigure:DIGital:HANDshake:RATE? [{MIN|MAX},] (@<*ch_list*>)

CONFigure:DIGital:HANDshake:STATe {HIMPedance|OFF|ON}, (@<*ch_list*>)
CONFigure:DIGital:HANDshake:STATe? (@<*ch_list*>)

CONFigure:DIGital:HANDshake:SYNChronous:STRobe[:SOURce] {INTernal|EXTernal}, (@<*ch_list*>)
CONFigure:DIGital:HANDshake:SYNChronous:STRobe[:SOURce]? (@<*ch_list*>)

CONFigure:DIGital:INTerrupt:POLarity {NORMal|INVerted}, (@<*ch_list*>)
CONFigure:DIGital:INTerrupt:POLarity? (@<*ch_list*>)

CONFigure:DIGital:POLarity {NORMal|INVerted}, (@<*ch_list*>)
CONFigure:DIGital:POLarity? (@<*ch_list*>)

CONFigure:DIGital:WIDTh {BYTE|1|WORD|2|LWORd|4}, (@<*ch_list*>)
CONFigure:DIGital:WIDTh? (@<*ch_list*>)

[SENSe:]DIGital:DATA[:{BYTE|1|WORD|2|LWORd|4}]? (@<*ch_list*>)

[SENSe:]DIGital:DATA:BIT? <*bit*>, (@<*ch_list*>)

[SENSe:]DIGital:HANDshake:THReshold {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
[SENSe:]DIGital:HANDshake:THReshold? [{MIN|MAX},] (@<*ch_list*>)

[SENSe:]DIGital:INTerrupt[:ENABle] {OFF|0|ON|1}, (@<*ch_list*>)
[SENSe:]DIGital:INTerrupt[:ENABle]? (@<*ch_list*>)

[SENSe:]DIGital:INTerrupt:MODE {MFULl|COMPare}, (@<*ch_list*>)
[SENSe:]DIGital:INTerrupt:MODE? (@<*ch_list*>)

[SENSe:]DIGital:INTerrupt:STATus? (@<*ch_list*>)

SOURce:DIGital:DATA[:{BYTE|1|WORD|2|LWORd|4}] <*data*>, (@<*ch_list*>)
SOURce:DIGital:DATA[:{BYTE|1|WORD|2|LWORd|4}]? (@<*ch_list*>)

SOURce:DIGital:DATA:BIT {0|1}, <*bit*>, (@<*ch_list*>)
SOURce:DIGital:DATA:BIT? <*bit*>, (@<*ch_list*>)

SOURce:DIGital:DRIVe {ACTive|OCOLlector}, (@<*ch_list*>)
SOURce:DIGital:DRIVe? (@<*ch_list*>)

SOURce:DIGital:HANDshake:LEVel {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:DIGital:HANDshake:LEVel? [{MIN|MAX},] (@<*ch_list*>)

SOURce:DIGital:INTerrupt[:ENABle] {OFF|0|ON|1}, (@<*ch_list*>)
SOURce:DIGital:INTerrupt[:ENABle]? (@<*ch_list*>)

[SENSe:]DIGital:INTerrupt:MODE {STARt|STOP|GATE}, (@<*ch_list*>)
[SENSe:]DIGital:INTerrupt:MODE? (@<*ch_list*>)

[SENSe:]DIGital:MEMory:CLEar (@<*ch_list*>)

[SENSe:]DIGital:MEMory:COMPare:ACTion {CONTinue|STARt|STOP}, (@<*ch_list*>)
[SENSe:]DIGital:MEMory:COMPare:ACTion? (@<*ch_list*>)

[SENSe:]DIGital:MEMory[:DATA]? <*index*>, <*count*>, (@<*channel*>)

[SENSe:]DIGital:MEMory[:DATA]:ALL? (@<*channel*>)

[SENSe:]DIGital:MEMory[:DATA]:FORMat {LIST|BLOCk}
[SENSe:]DIGital:MEMory[:DATA]:FORMat?

[SENSe:]DIGital:MEMory[:DATA]:POINts? [MAX,] (@<*ch_list*>)

[SENSe:]DIGital:MEMory:ENABle {OFF|0|ON|1}, (@<*ch_list*>)
[SENSe:]DIGital:MEMory:ENABle? (@<*ch_list*>)

[SENSe:]DIGital:MEMory:SAMPle:COUNt {<*count*>|MIN|MAX|DEF|INFinity}, (@<*ch_list*>)

[SENSe:]DIGital:MEMory:STARt (@<*ch_list*>)

[SENSe:]DIGital:MEMory:STEP (@<*ch_list*>)

[SENSe:]DIGital:MEMory:STOP (@<*ch_list*>)

SOURce:DIGital:MEMory:TRACe <*name*>, (@<*channel*>)
SOURce:DIGital:MEMory:TRACe? (@<*channel*>)

[SENSe:]DIGital:THReshold {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
[SENSe:]DIGital:THReshold? [{MIN|MAX},] (@<*ch_list*>)

SOURce:DIGital:LEVel {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:DIGital:LEVel? [{MIN|MAX},] (@<*ch_list*>)

SOURce:DIGital:MEMory:ABORt (@<*ch_list*>)

SOURce:DIGital:MEMory:ENABle {OFF|0|ON|1}, (@<*ch_list*>)
SOURce:DIGital:MEMory:ENABle? (@<*ch_list*>)

SOURce:DIGital:MEMory:NCYCles {<*count*>|MIN|MAX|DEF|INFinity}, (@<*ch_list*>)
SOURce:DIGital:MEMory:NCYCles? [{MIN|MAX},] (@<*ch_list*>)

SOURce:DIGital:MEMory:STARt (@<*ch_list*>)

SOURce:DIGital:MEMory:STEP (@<*ch_list*>)

SOURce:DIGital:MEMory:STOP (@<*ch_list*>)

SOURce:DIGital:STATe {OFF|0|ON|1}, (@<*ch_list*>)
SOURce:DIGital:STATe? (@<*ch_list*>)

**Trace Pattern Configuration**

TRACe:CATalog? {(@<*channel*>)|<*slot*>}

TRACe[:DATA]:DIGital[:{BYTE|1|WORD|2|LWORd|4}] (@<*channel*>), <*name*>, {<*binary_block*>|<*value*>,
<*value*> [,<*value*>, **. . .** ]}

TRACe[:DATA]:DIGital:FUNCtion (@<*channel*>), {COUNt|WONes}, <*name*>, <*points*>

TRACe:DELete:ALL {(@<*channel*>)|<*slot*>}

TRACe:DELete[:NAME] {(@<*channel*>)|<*slot*>}, <*name*>

TRACe:FREE? {(@<*channel*>)|<*slot*>}

TRACe:POINts? {(@<*channel*>)|<*slot*>}, <*name*>

**Digital Input Pattern Comparison**

CALCulate:COMPare:DATA[:{BYTE|1|WORD|2|LWORd|4}] <*data*>, (@<*ch_list*>)
CALCulate:COMPare:DATA? (@<*ch_list*>)

CALCulate:COMPare:MASK[:{BYTE|1|WORD|2|LWORd|4}] <*data*>, (@<*ch_list*>)
CALCulate:COMPare:MASK? (@<*ch_list*>)

CALCulate:COMPare:STATe {OFF|0|ON|1}, (@<*ch_list*>)
CALCulate:COMPare:STATe? (@<*ch_list*>)

CALCulate:COMPare:TYPE {EQUal|NEQual}, (@<*ch_list*>)
CALCulate:COMPare:TYPE? (@<*ch_list*>)

[SENSe:]DIGital:MEMory:COMPare:ACTion {CONTinue|STARt|STOP}, (@<*ch_list*>)
[SENSe:]DIGital:MEMory:COMPare:ACTion? (@<*ch_list*>)

**Totalizer Configuration**

CONFigure:COUNter:DCYCle [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

CONFigure:COUNter:FREQuency [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

CONFigure:COUNter:PERiod [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

CONFigure:COUNter:PWIDth [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

CONFigure:COUNter:TOTalize [{READ|RRESet},] (@<*ch_list*>)

CONFigure:TOTalize [{READ|RRESet},] (@<*ch_list*>)

MEASure:COUNter:DCYCle? [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

MEASure:COUNter:FREQuency? [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

MEASure:COUNter:PERiod? [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

MEASure:COUNter:PWIDth? [{<*gate_time*>|MIN|MAX|DEF},] (@<*ch_list*>)

MEASure:COUNter:TOTalize? [{READ|RRESet},] (@<*ch_list*>)

[SENSe:]COUNter:ABORt (@<*ch_list*>)

[SENSe:]COUNter:DATA? (@<*ch_list*>)

[SENSe:]COUNter:FREQuency[:DATA]? (@<*ch_list*>)

[SENSe:]COUNter:FUNCtion {FREQuency|PERiod|DCYCle|PWIDth|TOTalize}, (@<*ch_list*>)
[SENSe:]COUNter:FUNCtion? (@<*ch_list*>)

[SENSe:]COUNter:GATE:POLarity {NORMal|INVerted}, (@<*ch_list*>)
[SENSe:]COUNter:GATE:POLarity? (@<*ch_list*>)

[SENSe:]COUNter:GATE:SOURce {INTernal|EXTernal}, (@<*ch_list*>)
[SENSe:]COUNter:GATE:SOURce? (@<*ch_list*>)

[SENSe:]COUNter:GATE:TIME[:INTernal] {<*time*>|MIN|MAX|DEF}, (@<*ch_list*>)
[SENSe:]COUNter:GATE:TIME[:INTernal]? [{MIN|MAX},] (@<*ch_list*>)

[SENSe:]COUNter:INITiate (@<*ch_list*>)

[SENSe:]COUNter:PERiod[:DATA]? (@<*ch_list*>)

[SENSe:]COUNter:PWIDth[:DATA]? (@<*ch_list*>)

[SENSe:]COUNter:SLOPe {NEGative|POSitive}, (@<*ch_list*>)
[SENSe:]COUNter:SLOPe? (@<*ch_list*>)

[SENSe:]COUNter:THReshold:VOLTage {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
[SENSe:]COUNter:THReshold:VOLTage? [{MIN|MAX},] (@<*ch_list*>)

[SENSe:]COUNter:TOTalize:CLEar:IMMediate (@<*ch_list*>)

[SENSe:]COUNter:TOTalize[:DATA]? (@<*ch_list*>)

[SENSe:]COUNter:TOTalize:TYPE {READ|RRESet}, (@<*ch_list*>)
[SENSe:]COUNter:TOTalize:TYPE? (@<*ch_list*>)

[SENSe:]MODule:COUNter:GATE:THReshold[:VOLTage] {<*voltage*>|MIN|MAX|DEF}, {1|2|3|4|5|6|7|8}
[SENSe:]MODule:COUNter:GATE:THReshold[:VOLTage]? [{MIN|MAX},] {1|2|3|4|5|6|7|8}

[SENSe:]TOTalize:CLEar:IMMediate (@<*ch_list*>)

[SENSe:]TOTalize:DATA? (@<*ch_list*>)

[SENSe:]TOTalize:SLOPe {NEGative|POSitive}, (@<*ch_list*>)
[SENSe:]TOTalize:SLOPe? (@<*ch_list*>)

[SENSe:]TOTalize:THReshold[:MODE] {AC|TTL}, (@<*ch_list*>)
[SENSe:]TOTalize:THReshold[:MODE]? (@<*ch_list*>)

[SENSe:]TOTalize:THReshold:VOLTage {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
[SENSe:]TOTalize:THReshold:VOLTage? [{MIN|MAX},] (@<*ch_list*>)

[SENSe:]TOTalize:TYPE {READ|RRESet}, (@<*ch_list*>)
[SENSe:]TOTalize:TYPE? (@<*ch_list*>)

**External Clock Output Configuration**

SOURce:MODule:CLOCk:FREQuency {<*frequency*>|MIN|MAX|DEF}, {1|2|3|4|5|6|7|8}
SOURce:MODule:CLOCk:FREQuency? [{MIN|MAX}, ] {1|2|3|4|5|6|7|8}

SOURce:MODule:CLOCk:LEVel {<*voltage*>|MIN|MAX|DEF}, <*slot*>
SOURce:MODule:CLOCk:LEVel? [{MIN|MAX}, ] <*slot*>

SOURce:MODule:CLOCk:STATe {OFF|0|ON|1}, {1|2|3|4|5|6|7|8}
SOURce:MODule:CLOCk:STATe? {1|2|3|4|5|6|7|8}

## DAC Configuration Commands

OUTPut[:STATe] {OFF|0|ON|1}, (@<*ch_list*>)
OUTPut[:STATe]? (@<*ch_list*>)

SOURce:CURRent[:LEVel] {<*current*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:CURRent[:LEVel]? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:TRIGger:SOURce {IMMediate|MANual|EXTernal}, (@<*ch_list*>)
SOURce:FUNCtion:TRIGger:SOURce? (@<*ch_list*>)

SOURce:MODE {VOLTage|CURRent}, (@<*ch_list*>)
SOURce:MODE? (@<*ch_list*>)

SOURce:MODule:CLOCk:FREQuency {<*frequency*>|MIN|MAX|DEF}, {1|2|3|4|5|6|7|8}
SOURce:MODule:CLOCk:FREQuency? [{MIN|MAX}, ] {1|2|3|4|5|6|7|8}

SOURce:MODule:CLOCk:STATe {OFF|0|ON|1}, {1|2|3|4|5|6|7|8}
SOURce:MODule:CLOCk:STATe? {1|2|3|4|5|6|7|8}

SOURce:MODule:TRIGger:EXTernal:IMMediate {1|2|3|4|5|6|7|8}

SOURce:MODule:TRIGger:OUTPut {OFF|0|ON|1}, {1|2|3|4|5|6|7|8}
SOURce:MODule:TRIGger:OUTPut? {1|2|3|4|5|6|7|8}

SOURce:VOLTage[:LEVel] {<*voltage*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:VOLTage[:LEVel]? [{MIN|MAX}, ] (@<*ch_list*>)

### Trace Waveform Configuration

SOURce:FUNCtion:CLOCk:EXTernal:DIVisor {<*value*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:CLOCk:EXTernal:DIVisor? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:CLOCk:SOURce <*source*>, (@<*ch_list*>)
SOURce:FUNCtion:CLOCk:SOURce? (@<*ch_list*>)

SOURce:FUNCtion:CURRent:GAIN {<*gain*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:CURRent:GAIN? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:CURRent:OFFSet {<*offset*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:CURRent:OFFSet? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:ENABle {OFF|0|ON|1}, (@<*ch_list*>)
SOURce:FUNCtion:ENABle? (@<*ch_list*>)

SOURce:FUNCtion:FREQuency {<*frequency*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:FREQuency? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:HALT (@<*ch_list*>)

SOURce:FUNCtion:SAMPle:PERiod {<*period*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:SAMPle:PERiod? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:TRACe:NCYCles {<*count*>|MIN|MAX|DEF|INFinity}, (@<*ch_list*>)
SOURce:FUNCtion:TRACe:NCYCles? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:TRACe:SINDex <*point*>, (@<*ch_list*>)
SOURce:FUNCtion:TRACe:SINDex? (@<*ch_list*>)

SOURce:FUNCtion:TRACe[:NAME] <*name*>, (@<*ch_list*>)
SOURce:FUNCtion:TRACe[:NAME]? (@<*ch_list*>)

SOURce:FUNCtion:TRIGger:IMMediate (@<*ch_list*>)

SOURce:FUNCtion:VOLTage:GAIN {<*gain*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:VOLTage:GAIN? [{MIN|MAX}, ] (@<*ch_list*>)

SOURce:FUNCtion:VOLTage:OFFSet {<*offset*>|MIN|MAX|DEF}, (@<*ch_list*>)
SOURce:FUNCtion:VOLTage:OFFSet? [{MIN|MAX}, ] (@<*ch_list*>)

TRACe:CATalog? {(@<*channel*>)|<*slot*>}

TRACe:DELete:ALL {(@<*channel*>)|<*slot*>}

TRACe:DELete[:NAME] {(@<*channel*>)|<*slot*>}, <*name*>

TRACe:FREE? {(@<*channel*>)|<*slot*>}

TRACe:POINts? {(@<*channel*>)|<*slot*>}, <*name*>

TRACe[:DATA] {1|2|3|4|5|6|7|8}, <*name*>, {<*binary_block*>|<*value*>, <*value*> [,<*value*>, **. . .** ]}

TRACe[:DATA]:DAC {1|2|3|4|5|6|7|8}, <*name*>, {<*binary_block*>|<*value*>, <*value*> [,<*value*>, **. . .** ]}

TRACe[:DATA]:FUNCtion {1|2|3|4|5|6|7|8}, <*type*>, <*name*>, <*points*>

## Monitor Commands

ROUTe:MONitor:DATA?

ROUTe:MONitor:MODE {CHANnel|DMM}
ROUTe:MONitor:MODE?

ROUTe:MONitor:STATe {OFF|0|ON|1}
ROUTe:MONitor:STATe?

ROUTe:MONitor[:CHANnel] (@<*channel*>)
ROUTe:MONitor[:CHANnel]?

ROUTe:MONitor[:CHANnel]:ENABle {OFF|0|ON|1}, (@<*ch_list*>)
ROUTe:MONitor[:CHANnel]:ENABle? (@<*ch_list*>)

## Scan Configuration Commands

ABORt

INITiate

FORMat:BORDer {NORMal|SWAPped}
FORMat:BORDer?

FORMat:READing:ALARm {OFF|0|ON|1}
FORMat:READing:ALARm?

FORMat:READing:CHANnel {OFF|0|ON|1}
FORMat:READing:CHANnel?

FORMat:READing:TIME {OFF|0|ON|1}
FORMat:READing:TIME?

FORMat:READing:TIME:TYPE {ABSolute|RELative}
FORMat:READing:TIME:TYPE?

FORMat:READing:UNIT {OFF|0|ON|1}
FORMat:READing:UNIT?

READ? [(@<*ch_list*>)]

ROUTe:CHANnel:DELay {<*seconds*>|MIN|MAX|DEF}, (@<*ch_list*>)
ROUTe:CHANnel:DELay? [{MIN|MAX|DEF}, ] (@<*ch_list*>)

ROUTe:CHANnel:DELay:AUTO {OFF|0|ON|1}, (@<*ch_list*>)
ROUTe:CHANnel:DELay:AUTO? (@<*ch_list*>)

ROUTe:SCAN (@<*scan_list*>)
ROUTe:SCAN?

ROUTe:SCAN:ADD (@<*ch_list*>)

ROUTe:SCAN:REMove (@<*ch_list*>)

ROUTe:SCAN:ORDered {OFF|0|ON|1}
ROUTe:SCAN:ORDered?

ROUTe:SCAN:SIZE?

SAMPle:COUNt {<*count*>|MIN|MAX|DEF}
SAMPle:COUNt? [{MIN|MAX}]

SWEep:COUNt {<*count*>|MIN|MAX|DEF}
SWEep:COUNt? [{MIN|MAX}]

TRIGger:COUNt {<*count*>|MIN|MAX|DEF|INFinity}
TRIGger:COUNt? [{MIN|MAX}]

TRIGger:SOURce {IMMediate|BUS|EXTernal|ALARm1|ALARm2|ALARm3|ALARm4|TIMer}
TRIGger:SOURce?

TRIGger:TIMer {<*seconds*>|MIN|MAX|DEF}
TRIGger:TIMer? [{MIN|MAX}]

## Switch Control Commands

ROUTe:CHANnel:LABel:CLEar:MODule {1-8|SLOT1-SLOT8|ALL}

ROUTe:CHANnel:LABel[:DEFine] "<*label*>" , (@<*ch_list*>)
ROUTe:CHANnel:LABel[:DEFine]? [<*type*>, ] (@<*ch_list*>)

ROUTe:CLOSe (@<*ch_list*>)
ROUTe:CLOSe? (@<*ch_list*>)

ROUTe:CLOSe:EXCLusive (@<*ch_list*>)

ROUTe:MODule:BUSY? {1-8|SLOT1-SLOT8|ANY}

ROUTe:MODule:WAIT {1-8|SLOT1-SLOT8|ANY}
ROUTe:MODule:WAIT? {1-8|SLOT1-SLOT8|ANY}

ROUTe:OPEN (@<*ch_list*>)
ROUTe:OPEN? (@<*ch_list*>)

ROUTe:OPEN:ABUS [{<*abus*>|ALL}]

ROUTe:OPEN:ALL [{1-8|SLOT1-SLOT8|ALL}]

ROUTe:OPERation:OVERlap[:ENABle] {OFF|0|ON|1}
ROUTe:OPERation:OVERlap[:ENABle]?

SYSTem:CPON {1|2|3|4|5|6|7|8}

SYSTem:CTYPe? {1|2|3|4|5|6|7|8}

SYSTem:MODule:PFAil:JUMPer:AMP5? {1|2|3|4|5|6|7|8} (*34937A/938A only*)

SYSTem:MODule:TEMPerature? [{TRANsducer|TTHReshold}], {1|2|3|4|5|6|7|8} (*34937A/938A only*)

SYSTem:MODule:WIRE:MODE {WIRE1|WIRE2}, {1|2|3|4|5|6|7|8} (*34923A/925A/933A only*)

## Triggering Commands

*TRG

INITiate

READ? [(@<*ch_list*>)]

TRIGger:COUNt {<*count*>|MIN|MAX|DEF|INFinity}
TRIGger:COUNt? [{MIN|MAX}]

TRIGger:DELay {<*seconds*>|MIN|MAX}
TRIGger:DELay? [{MIN|MAX}]

TRIGger:DELay:AUTO {OFF|0|ON|1}
TRIGger:DELay:AUTO?

TRIGger:SOURce {IMMediate|BUS|EXTernal|TIMer}
TRIGger:SOURce?

TRIGger:TIMer {<*seconds*>|MIN|MAX|DEF}
TRIGger:TIMer? [{MIN|MAX}]

## Alarm Limit Commands

CALCulate:LIMit:LOWer {<*value*>|MIN|MAX|DEF}, (@<*ch_list*>)
CALCulate:LIMit:LOWer? [{MIN|MAX},] (@<*ch_list*>)

CALCulate:LIMit:LOWer:STATe {OFF|0|ON|1}, (@<*ch_list*>)
CALCulate:LIMit:LOWer:STATe? (@<*ch_list*>)

CALCulate:LIMit:UPPer {<*value*>|MIN|MAX|DEF}, (@<*ch_list*>)
CALCulate:LIMit:UPPer? [{MIN|MAX},] (@<*ch_list>)*

CALCulate:LIMit:UPPer:STATe {OFF|0|ON|1}, (@<*ch_list*>)
CALCulate:LIMit:UPPer:STATe? (@<*ch_list*>)

OUTPut:ALARm{1|2|3|4}:CLEar

OUTPut:ALARm:CLEar:ALL

OUTPut:ALARm:MODE {LATCh|TRACk}
OUTPut:ALARm:MODE?

OUTPut:ALARm:SLOPe {NEGative|POSitive}
OUTPut:ALARm:SLOPe?

OUTPut:ALARm[{1|2|3|4}]:SOURce (@<*ch_list*>)
OUTPut:ALARm[{1|2|3|4}]:SOURce?

SYSTem:ALARm?

## Measurement Statistics Commands

CALCulate:AVERage:AVERage? [(@<*ch_list*>)]

CALCulate:AVERage:CLEar [(@<*ch_list*>)]

CALCulate:AVERage:COUNt? [(@<*ch_list*>)]

CALCulate:AVERage:MAXimum? [(@<*ch_list*>)]

CALCulate:AVERage:MAXimum:TIME? [(@<*ch_list*>)]

CALCulate:AVERage:MINimum? [(@<*ch_list*>)]

CALCulate:AVERage:MINimum:TIME? [(@<*ch_list*>)]

CALCulate:AVERage:PTPeak? [(@<*ch_list*>)]

DATA:LAST? [,(@<*channel*>)]

## Reading Memory Commands

DATA:POINts:EVENt:THReshold <*num_readings*>
DATA:POINts:EVENt:THReshold?

DATA:POINts?

DATA:REMove? <*num_readings*>

FETCh?

R? [<*max_count*>]

SYSTem:TIME:SCAN?

## Mx+B Scaling Commands

CALCulate:SCALe:GAIN <*gain*> [, (@<*ch_list*>)]
CALCulate:SCALe:GAIN? (@<*ch_list*>)

CALCulate:SCALe:OFFSet <*offset*> [, (@<*ch_list*>)]
CALCulate:SCALe:OFFSet? (@<*ch_list*>)

CALCulate:SCALe:STATe {OFF|0|ON|1} [, (@<*ch_list*>)]
CALCulate:SCALe:STATe? [(@<*ch_list*>)]

CALCulate:SCALe:UNIT "<*units*>" [, (@<*ch_list*>)]
CALCulate:SCALe:UNIT? [(@<*ch_list*>)]

## Calibration Commands

CALibration?

CALibration:ABORt

CALibration:BEGin[:VOLTage] [<*setup_#*>, ] (@<*channel*>)

CALibration:COUNt? [{1-8|SLOT1-SLOT8|MAINframe|DMM}]

CALibration:LFRequency {50|60|400}
CALibration:LFRequency?

CALibration:MODule? [{1-8|SLOT1-SLOT8|ALL}]

CALibration:POINt? <*value*>

CALibration:SECure:CODE <*new_code*>

CALibration:SECure:STATe {OFF|0|ON|1}, <*code*>
CALibration:SECure:STATe?

CALibration:STRing "<*string*>" [,{1-8|SLOT1-SLOT8|MAINframe|DMM}]
CALibration:STRing? [{1-8|SLOT1-SLOT8|MAINframe|DMM}]

CALibration:VALue <*value*>
CALibration:VALue?

## State Storage Commands

*RCL {1|2|3|4|5}

*SAV {1|2|3|4|5}

MEMory:NSTates?

MEMory:STATe:CATalog?

MEMory:STATe:DELete {1|2|3|4|5}

MEMory:STATe:DELete:ALL

MEMory:STATe:NAME {1|2|3|4|5} [,<*name*>]
MEMory:STATe:NAME? {1|2|3|4|5}

MEMory:STATe:RECall:AUTO {OFF|0|ON|1}
MEMory:STATe:RECall:AUTO?

MEMory:STATe:RECall:SELect {0|1|2|3|4|5}
MEMory:STATe:RECall:SELect?

MEMory:STATe:VALid? {1|2|3|4|5}

## IEEE-488 Commands

*CLS

*ESE <*enable_value*>
*ESE?

*ESR?

*IDN?

*OPC

*OPC?

*RCL {1|2|3|4|5}

*RST

*SAV {1|2|3|4|5}

*SRE <*enable_value*>
*SRE?

*STB?

*TRG

*TST?

*WAI

## System-Related Commands

*IDN?

*RST

*TST?

CALibration:LFRequency {50|60|400}
CALibration:LFRequency?

DISPlay[:STATe] {OFF|0|ON|1}
DISPlay[:STATe]?

DISPlay:TEXT "<*string*>"
DISPlay:TEXT?

DISPlay:TEXT:CLEar

SYSTem:ABUS:INTerlock:SIMulate {OFF|0|ON|1}
SYSTem:ABUS:INTerlock:SIMulate?

SYSTem:BEEPer

SYSTem:BEEPer:STATe {OFF|0|ON|1}
SYSTem:BEEPer:STATe?

SYSTem:CDEScription? {1|2|3|4|5|6|7|8}

SYSTem:CPON {1|2|3|4|5|6|7|8}

SYSTem:CTYPe? {1|2|3|4|5|6|7|8}

SYSTem:DATE <*yyyy*>,<*mm*>,<*dd*>
SYSTem:DATE?

SYSTem:ERRor?

SYSTem:PRESet

SYSTem:SECurity:IMMediate

SYSTem:TIME <*hh*>,<*mm*>,<*ss.sss*>
SYSTem:TIME?

SYSTem:TIME:SCAN?

SYSTem:VERSion?

## Remote Interface Configuration Commands

SYSTem:COMMunicate:ENABle {OFF|0|ON|1}, {GPIB|USB|LAN|SOCKets|TELNet|VXI11|WEB}
SYSTem:COMMunicate:ENABle? {GPIB|USB|LAN|SOCKets|TELNet|VXI11|WEB}

SYSTem:COMMunicate:GPIB:ADDRess <*address*>
SYSTem:COMMunicate:GPIB:ADDRess?

SYSTem:LOCK:OWNer?

SYSTem:LOCK:RELease

SYSTem:LOCK:REQuest?

## LAN Configuration Commands

SYSTem:COMMunicate:LAN:AUTOip {OFF|0|ON|1}
SYSTem:COMMunicate:LAN:AUTOip?

SYSTem:COMMunicate:LAN:BSTatus?

SYSTem:COMMunicate:LAN:CONTrol?

SYSTem:COMMunicate:LAN:DHCP {OFF|0|ON|1}
SYSTem:COMMunicate:LAN:DHCP?

SYSTem:COMMunicate:LAN:DNS <*address*>
SYSTem:COMMunicate:LAN:DNS?

SYSTem:COMMunicate:LAN:DOMain "<*name*>"
SYSTem:COMMunicate:LAN:DOMain? [{CURRent|STATic}]

SYSTem:COMMunicate:LAN:GATEway <*address*>
SYSTem:COMMunicate:LAN:GATEway? [{CURRent|STATic}]

SYSTem:COMMunicate:LAN:HISTory:CLEar

SYSTem:COMMunicate:LAN:HISTory?

SYSTem:COMMunicate:LAN:HOSTname "<*name*>"
SYSTem:COMMunicate:LAN:HOSTname? [{CURRent|STATic}]

SYSTem:COMMunicate:LAN:IPADdress <*address*>
SYSTem:COMMunicate:LAN:IPADdress? [{CURRent|STATic}]

SYSTem:COMMunicate:LAN:KEEPalive {<*seconds*>|MIN|MAX}
SYSTem:COMMunicate:LAN:KEEPalive? [{MIN|MAX}]

SYSTem:COMMunicate:LAN:MAC?

SYSTem:COMMunicate:LAN:SMASk <*mask*>
SYSTem:COMMunicate:LAN:SMASk? [{CURRent|STATic}]

SYSTem:COMMunicate:LAN:TELNet:PROMpt "<*string*>"
SYSTem:COMMunicate:LAN:TELNet:PROMpt?

SYSTem:COMMunicate:LAN:TELNet:WMESsage "<*string*>"
SYSTem:COMMunicate:LAN:TELNet:WMESsage?

## Status System Commands

*CLS

*ESE <*enable_value*>
*ESE?

*ESR?

*SRE <*enable_value*>
*SRE?

*STB?

STATus:ALARm:CONDition?

STATus:ALARm:ENABle <*enable_value*>
STATus:ALARm:ENABle?

STATus:ALARm[:EVENt]?

STATus:MODule:ENABle <*enable_value*>
STATus:MODule:ENABle?

STATus:MODule:EVENt?

STATus:MODule:SLOT[*n*]:CONDition?
STATus:MODule:SLOT[*n*]:ENABle <*enable_value*>

STATus:MODule:SLOT[*n*]:ENABle?

STATus:MODule:SLOT[*n*][:EVENt]?

STATus:OPERation:CONDition?

STATus:OPERation:ENABle <*enable_value*>
STATus:OPERation:ENABle?

STATus:OPERation[:EVENt]?

STATus:PRESet

STATus:QUEStionable:CONDition?

STATus:QUEStionable:ENABle <*enable_value*>
STATus:QUEStionable:ENABle?

STATus:QUEStionable[:EVENt]?

SYSTem:MODule?

## Service-Related Commands

DIAGnostic:DMM:CYCLes? {1|2|3|4|5|6}

DIAGnostic:RELay:CYCLes? (@<*ch_list*>)

DIAGnostic:RELay:CYCLes:CLEar (@<*ch_list*>)

INSTrument:DMM:CONNect
INSTrument:DMM:CONNect?

INSTrument:DMM:DISConnect
INSTrument:DMM:DISConnect?

INSTrument:DMM:INSTalled?

INSTrument:DMM[:STATe] {OFF|0|ON|1}
INSTrument:DMM[:STATe]?