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Find the *Tektronix TVS641A* at our website: ***Click HERE***

Use this reference card to find the correct syntax for TVS600 Series Waveform Analyzer commands. The commands are grouped by subsystem node and listed in alphabetical order.

Commands ending with “?” are query only. Commands ending with “[?]” have command and query forms. All other commands do not have a query form. Items in brackets [] are optional arguments.

Commands include the argument type for their command form. The types are briefly defined as follows:

<bin-block> — binary data block

<boolean> — ON or 1, OFF or 0

<discrete> — list of specific values, such as AC, DC, GRO

<expression> — C language expression

<hex> — hexadecimal number, #HFF

<none> — no command argument

<NRf> — flexible number format, NR1, NR2 or NR3

<string> — quoted ASCII character string

For detailed descriptions of the commands and argument types, refer to the *TVS600 Series Waveform Analyzers User Manual*.

```
AADVance
   [:STATe][?] <boolean>
   :COUNt[?] <NRf>
   :RECord
      :COUNt[?] <NRf>
      :STARt[?] <NRf>
```

```
ABORt <none>
```

```
ARM[:A]
   :DEFine?
   [:LAYer[1]]
      :SOURce[?] <discrete>
```

```
AVERage
   [:STATe][?] <boolean>
   :COUNt[?] <NRf>
   :TYPE[?] <discrete>
```

```
CALCulate<n>
   :AAMList[?] <discrete>
      :STATe[?] <discrete>
   :DATA? <none>
      :PREamble? <none>
   :DERivative
      :STATe[?] <boolean>
   :FEED[1][?] <string>
   :FEED[2][?] <string>
      :CONTEXT
   :FILTer
      :FREQuency
         [:TYPE][?] <discrete>
         :CENTer[?] <NRf>
         :HPASs[?] <NRf>
         :LPASs[?] <NRf>
         :SPAN[?] <NRf>
         :SREJection[?] <NRf>
         :STARt[?] <NRf>
         :STATe[?] <boolean>
         :STOP[?] <NRf>
         :TWIDth[?] <NRf>
   :FORMat[?] <discrete>
   :IMMediate[?] <none>
   :INTegral
      :STATe[?] <boolean>
   :PATH[?] <discrete>
      :EXPRession[?] <expression>
   :SMOothing
      [:STATe][?] <boolean>
      :POINts[?] <NRf>
```

```
CALCulate<n>
   :TRANsform
      :FREQuency
         :STATe[?] <boolean>
         :WINDow[?] <discrete>
   :WMList[?] <discrete>
      :STATe[?] <boolean>
   :WMParameter
      :EDGE[?] <NRf>
      :HIGH[?] <NRf>
      :HMEThod[?] <discrete>
      :LOW[?] <NRf>
      :LMEThod[?] <discrete>
      :HREFerence
         [:ABSolute][?] <NRf>
         :RELative[?] <NRf>
      :LREFerence
         [:ABSolute][?] <NRf>
         :RELative[?] <NRf>
      :MREFerence
         [:ABSolute][?] <NRf>
         :HYSTeresis[?] <NRf>
         :RELative[?] <NRf>
      :RMEThod[?] <discrete>
      :SLOPe[?] <NRf>
```

```
CALibration
   [:ALL][?] <none>
   :RESults
      [:CODE]? <none>
      :VERBose? <none>
```

```
DATA? <string>
   :PREamble? <string>
```

```
FORMat
   [:DATA][?] <discrete>
      :CALCulate<n>[?] <discrete>
      :TRACe
         :AATS[?] <discrete>
   :BORDer[?] <discrete>
```

```
FUNCtion
   [:ON][?] <string>
      :ALL <none>
      :COUNt? <none>
   :OFF[?] <string>
      :ALL <none>
      :COUNt? <none>
   :CONCurrent[?] <boolean>
   :STATe? <string>, <boolean>
```

```
INITiate
   [:IMMediate] <none>
   :CONTinuous[?] <boolean>
   :COUNt[?] <NRf>
```

```
INPut<n>
   :COUPling[?] <discrete>
   :FILTer
      [:LPASs]
         [:STATe][?] <boolean>
         :FREQuency[?] <NRf>
   :IMPedance[?] <NRf>
   :PROTection
      :STATe[?] <boolean>
```

```
MEMory
   :DATA[?] <discrete>
   :NSTates? <none>
   :STATe
      :CATalog? <none>
      :DEFine? <discrete>
```

```
OUTPut
   :ECLTrg<n>
      [:STATE][?] <boolean>
      :POLarity[?] <discrete>
      :SOURce[?] <discrete>
   :PCOMpensate
      [:STATE][?] <boolean>
      FUNCtion[?] <discrete>
   :REFerence
      [:STATE][?] <boolean>
      :FUNCtion[?] <discrete>
   :TTLTrg<n>
      [:STATE][?] <boolean>
      :POLarity[?] <discrete>
      :SOURce[?] <discrete>
```

```
ROSCillator
   :SOURce[?] <discrete>
```

```
[SENSe:]
   see AADVance
   see AVERage
   see DATA
   see FUNCtion
   see ROSCillator
   see SWEep
   see VOLTage
```

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```
STATus
   :OPERation
      [:EVENt]? <none>
      :CONDition? <none>
      :ENABle[?] <NRf>|<hex>
      :NTRansition[?] <NRf>|<hex>
      :PTRansition[?] <NRf>|<hex>
      :QENable
         :NTRansition[?] <NRf>|<hex>
         :PTRansition[?] <NRf>|<hex>
   :PRESet <none>
   :QUEStionable
      [:EVENt]? <none>
      :CONDition? <none>
      :ENABle[?] <NRf>|<hex>
      :NTRansition[?] <NRf>|<hex>
      :PTRansition[?] <NRf>|<hex>
      :QENable
         :NTRansition[?] <NRf>|<hex>
         :PTRansition[?] <NRf>|<hex>
   :SESR
      :QENable[?] <NRf>|<hex>
```

```
SWEep
   :OFFSet
      :POINts[?] <NRf>
      :TIME[?] <NRf>
   :OREFerence
      :LOCation[?] <NRf>
   :POINts[?] <NRf>
   :TIME[?] <NRf>
   :TINTerval[?] <NRf>
```

```
SYSTem
   :COMMunicate
      :SERial
         :BAUD[?] <NRf>
         :CONTrol
            :DCD[?] <boolean>
            :RTS[?] <discrete>
         :ECHO[?] <boolean>
         :ERESponse[?] <boolean>
         :LBUFfer[?] <boolean>
         :PACE[?] <discrete>
         :PARity[?] <discrete>
         :PRESet
            [:ALL] <none>
            :RAW <none>
            :TERMinal <none>
         :SBITs[?] <NRf>
```

```
SYSTem
   :ERRor
      [:NEXT]? <none>
      :ALL? <none>
      :CODE
         [:NEXT]? <none>
         :ALL? <none>
      :COUNt? <none>
   :PROTect[?] <boolean>
   :SECurity
      :IMMediate <none>
   :SET[?] <bin-block>
   :VERSion? <none>
```

```
TEST
   [:ALL][?] <none>
   :RESults
      [:CODE]? <none>
      :VERBose? <none>
```

```
TRACe?
   [:DATA]? <discrete>
      :PREamble? <discrete>
   :CATalog? <none>
   :COPY <discrete>,<discrete>
   :FEED? <discrete>
   :LIST[?] <discrete>
   :POINts? <discrete>
```

```
TRIGger
   [:A]
      :ATRigger
         [:STATe][?] <boolean>
      :COUPling[?]<discrete>
         :<preset>
      :DEFine? <none>
      :DELay[?] <NRf>
      :FILTer
         [:LPASs]
            [:STATe][?] <boolean>
         :HPASs
            [:STATe][?] <boolean>
         :NREJect[?]
            [:STATe][?] <boolean>
      :HOLDoff
         :TIME[?] <NRf>
      :LEVel[?] <NRf>
      :PULSe
         :CLASs[?] <discrete>
         :GLITch
            :POLarity[?] <discrete>
            :QUALify[?] <discrete>
            :WIDTh[?] <NRf>
```

```
TRIGger
   [:A]
      :PULSe
         :SOURce[?] <discrete>
         :THReshold[?] <NRf>
         :WIDTh
            :HLIMit[?] <NRf>
            :LLIMit[?] <NRf>
            :POLarity[?] <discrete>
            :QUALify[?] <discrete>
      :SLOPe[?] <discrete>
      :SOURce[?] <discrete>
      :TYPE[?] <discrete>
   :B
      :COUPling[?] <discrete>
         :<preset>
      :DELay[?] <NRf>
      :ECOunt[?] <NRf>
      :FILTer
         [:LPASs]
            [:STATe][?] <boolean>
         :HPASs
            [:STATe][?] <boolean>
         :NREJect[?]
            [:STATe][?] <boolean>
      :LEVel[?] <NRf>
      :SEQuence2
         :DEFine? <none>
      :SLOPe[?] <discrete>
      :SOURce[?] <discrete>
```

```
VOLTage<n>
   [:DC]
      :RANGe
         [:UPPer][?] <NRf>
         :LOWer[?] <NRf>
         :OFFSet[?] <NRf>
         :PTPeak[?] <NRf>
```

```
IEEE 488.2 Common Commands
*CAL?       *LRN?       *RST        *TST?
*CLS        *OPC[?]     *SAV        *WAI?
*ESE[?]     *OPT?       *SRE[?]
*ESR?       *PUD[?]     *STB?
*IDN?       *RCL        *TRG
```

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