

# VXI-5539A Errata

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## E.1 INTRODUCTION

This Errata contains additional information and changes to the manual since Revision X0 was printed.

## E.2 CONFIGURABLE PARAMETERS AND DEFAULT SETTINGS

Timing pulse settings added to Table 1-4

| <b>Keyword</b> | <b>Description</b> | <b>Factory Setting</b> |
|----------------|--------------------|------------------------|
| PERIOD         | Pulse period       | 0.01 sec               |
| WIDTH          | Pulse width        | 0.0025 sec             |

## E.3 BAUD RATES

Baud rates expanded up to 460,800 baud.

### 1.2.7.5 Baud Rates

Internal baud rates can be selected from 50 to 460,800 baud . Standard rates are: 150, 300, 600, 1200, 2.4 K, 4.8 K, 7.2 K, 9.6 K, 19.2 K, 38.4 K, 57.6 K, 76.8 K, 115.2 K, 153.6 K, 230.4 K and 460.8 Kbaud. Baud rate accuracy is  $\pm 0.02\%$  . Unit selects closest integer value for nonstandard rates by dividing down from 460,800 Hz. Maximum module rate for simultaneous use of all channels is  $> 460,000$  baud.

## E.4 SCPI COMMAND TREE TABLE

Short forms commands added and unused EOMchar command deleted. Use pages E-3 and E-4 to replace the pages in revision X0 manuals.

## E.5 SCPI COMMAND REFERENCE

Expanded Echo command description.

| <b>Command</b> | <b>Default</b> | <b>Function</b>                                                                                                                                                                                   |
|----------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| :ECHO          | OFF            | Enables echo transmission of any received character when internal loopback is off. Used to test connections to a serial device. Echo on blocks VXI to serial transmission. Values are OFF and ON. |

**TABLE 3-9 VXI-5539A SCPI COMMAND TREE (STANDARD VERSION)**

| Keyword           | Parameter                   | Short Form | Notes                |
|-------------------|-----------------------------|------------|----------------------|
| <b>SYSTEM</b>     |                             |            |                      |
| :COMMunicate      |                             |            |                      |
| :SERial           |                             |            |                      |
| [:RECeive]        |                             |            |                      |
| :PROToCol         | [ASYNC]   SDLC              | PROT       |                      |
| :BAUD             | 50-460800 [9600]            | BAUD       |                      |
| :BITS             | 5-8 [8]                     | BITS       |                      |
| :SBITs            | [1]   2                     | SBITS      |                      |
| :PARity           |                             |            |                      |
| [:TYPE]           | EVEN   ODD   [NONE]         | PAR        |                      |
| :ECHO             | ON   [OFF]                  | ECHO       |                      |
| :LOOPback         | [OFF]   INT   MON           | LOOP       |                      |
| :MODE             | [232]   422FD   422HD   485 | MODE       |                      |
| :HANDshake        | ON   [OFF]                  | HAND       |                      |
| :RXCLK            | [INT]   EXT                 | RXCLK      |                      |
| :TXCLKOUT         | [IN]   OUT                  | TXCLK      |                      |
| :TERMination      | ON   [OFF]                  | TERM       |                      |
| :BUFFer           |                             |            |                      |
| :DATA             | D16   [D32]                 |            |                      |
| :SIze             | 8 - [65535]                 |            | Rx buffer byte count |
| :CLOCK            |                             |            |                      |
| :FREQuency        | value                       |            |                      |
| :DATA[?]          | string                      | DATA       |                      |
| :DATAT            | string                      | DATAT      |                      |
| :UPdate           |                             | UP         |                      |
| :ERRor?           | (0, "No error")             |            | Reads SCPI error     |
| :VERsion?         | (1994.0)                    |            | Reads SCPI version   |
| <b>INSTrument</b> |                             |            |                      |
| :NSElect          | 1 - 4 [1]                   | C          | Channel select       |
| <b>STATus</b>     |                             |            |                      |
| :OPERational      |                             |            | WTG status in bit 5  |
| [:EVENT]?         |                             |            |                      |
| :CONDitional?     |                             |            |                      |
| :ENABle           | 0-7FFF [0]                  |            |                      |
| :PTRansistion     | 0-7FFF [All 1s]             |            |                      |
| :NTRansistion     | 0-7FFF [0]                  |            |                      |
| :OPERational      |                             |            |                      |
| [:EVENT]?         |                             |            |                      |
| :CONDitional?     |                             |            |                      |
| :ENABle           | 0-7FFF [0]                  |            |                      |
| :PTRansistion     | 0-7FFF [All 1s]             |            |                      |
| :NTRansistion     | 0-7FFF [0]                  |            |                      |
| :PRESet           |                             |            |                      |

**TABLE 3-9 VXI-5539A SCPI COMMAND TREE**

| Keyword          | Parameter            | Short Form | Notes                      |
|------------------|----------------------|------------|----------------------------|
| <b>SOURCE</b>    |                      |            | <b>Pulse Output</b>        |
| :PULSe           |                      |            |                            |
| :PERiod          | .0001-3. [.01] sec   |            |                            |
| :WIDTh           | .0001-3. [.0025] sec |            |                            |
| <b>INITate</b>   |                      |            | <b>Trigger Control</b>     |
| [:IMMeditate]    |                      | TI         | Enable 1 trigger           |
| :CONTInuous      | ON   [OFF]           | TC         | Enable continuous triggers |
| <b>ABORt</b>     |                      | <b>TA</b>  | <b>Disable triggers</b>    |
| <b>CALibrate</b> |                      |            | <b>Setup</b>               |
| :DATE            | mm/dd/yyyy           |            |                            |
| :DEFault         |                      |            |                            |
| :IDN             | string               |            |                            |
| :LOCK            | ON   [OFF]           |            |                            |
| :MANufacturer    | 0-4095 [4073]        |            | VXI Mfgr Number            |
| :MODEl           | 0-4095 [539]         |            | VXI Model Number           |

Notes:

1. Parameter enclosed by [ ] - denotes factory default
2. Parameter enclosed by ( ) - denotes power on default
3. SCPI name ends with ? - denotes query only
4. Unless otherwise noted SCPI command is also a query
5. Keyword enclosed by [ ] - denotes optional use
6. Only a configuration command that has one of its parameters enclosed by [ ] can change its parameter setting and have this setting stored in the 4803's Flash (with the \*SAV command).
7. The format for a SCPI list is (@1,2, n) or (@ 1:n). There must be a space between the @ and the first number and parenthesis are required. A list of numbers is separated by commas or uses a colon to denote a range of numbers.
8. Numeric entries conform to IEEE-488.2 section 7.7.2.4 for decimal numeric parameters.
9. ASCII formatted data is a series of decimal values (0-255) for each byte separated by commas. e.g. 64, 132, 8
10. The CAL:DATE commands stores the CAL:IDN and CAL:DATE parameters in the 4803's Flash.
11. The CAL:DEFault command resets the Flash memory to it factory settings. Caution - All user settings will be overridden by this command.
12. Most parameters can be output in various numeric formats (radix). The parameters with decimal 0-255 value ranges may also be output as HEX using #h00-#hFF or Binary using #b00000000-#b11111111. Conversely, the parameters shown with HEX (#h) values can also be output in Decimal.