**Zaxis Inc.**
2442 South 2570 West
Salt Lake City, UT 84119
801.264.1000

# Zaxis Ethernet Commands

| TSi Button | Description | Input String | | | | | | SET cmd | Query cmd | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | [0] | [1] | [2] | [3] | [4] | [5] | | | |
| | | | | | | | | | QAA | Query are you alive |
| | | | | | | | | | QADx | Query cal of senor 1-5 |
| | ATM Pressure | S | A | P | | | | SAP | QAP | |
| | | | | | | | | | QAS | Send stored paramter data |
| | | | | | | | | | QAT | Send test types setup data |
| | | | | | | | | | QAF | Send active config from flash |
| | | S | B | C | D | | | | QBCD | Set BCD mask bits |
| | Burst Max Value | S | B | H | | | | SBHfff.fffff | QBH | fff.ffff is theburst max value |
| | Busy Immediate On/Off | S | B | I | | | | | QBI | |
| | Burst Min Value | S | B | L | | | | SBLfff.fffff | QBL | fff.ffff is the burst min value |
| | Serial Port Baud Rate | S | B | R | | | | | QBR | |
| | Buzzer On/Off | S | B | Z | | | | | QBZ | |
| | Hold on Fail select | S | C | H | | | | SCHx | QCH | |
| | Clock Date | S | C | K | D | | | | QCL | |
| | Clock Time | S | C | K | T | | | | QCL | |
| | Calibration Null | S | C | M | N | | | | | |
| **Pressure** | Calibrate Pressure | S | C | M | P | | | | | |
| **Vacuum** | Calibrate Vacuum | S | C | M | V | | | | | |
| **Flow** | Calibrate Flow | S | C | M | F | | | | | |
| | Exit Calibration | S | C | M | X | | | | | Only send when in Calibration |
| | Config Data to Info Screen | S | C | N | | | | | | |
| | Current Program | S | C | P | | | | SCPi | QCP | i is the program number |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Reset Counter | S | C | R | | | | SCR | QCR | |
| | | | | | | | | | QCT | Query test qounters |
| | Valve 1 Status | S | C | V | 1 | | | SCV1i | QCV1 | |
| | Valve 2 Status | S | C | V | 2 | | | SCV2i | QCV2 | |
| | | | | | | | | | QDA | Query DAC values |
| | Toggle DHCP | S | D | H | | | | | QDH | |
| **TSi Button** | **Description** | **Input String** | | | | | | **SET cmd** | **Query cmd** | **Notes** |
| | Statistics On/Off | S | D | I | | | | | | |
| | Conc/Seq Vent Valve On/Off | S | D | K | | | | | QDK | |
| | Pressure Digits | S | D | P | | | | SDP | QDP | see test pressure digits on 'fields' tab |
| | Result Digits | S | D | R | | | | SDR | QDR | see result digits on 'fields' tab |
| | Update Tsi | S | D | U | | | | | | |
| | Channel Select | S | E | C | | | | SECx | QEC | see Enabled channels in 'fields' tab |
| | EtherNet I/P Disable Bit | S | E | D | | | | | QED | |
| | Output COM select | S | E | R | | | | SERx | QER | see Result output com options in 'fields' tab |
| | USB Reset | S | E | S | | | | | | |
| | FF Auto Select | S | F | A | | | | SFAx | QFA | 0=off 1=on |
| | | | | | | | | | QFB | Firmware Rev Build information SVN |
| | Filter Test Pressure Cutoff | S | F | C | | | | | | |
| | Filter Electronic Reg | S | F | E | | | | SFE | QFE | |
| | Filter Flow Cutoff | S | F | F | | | | | | |
| | Flow Max Value | S | F | H | | | | SFHfff.fffff | QFH | fff.ffff is the flow max value |
| | Flow Min Value | S | F | L | | | | SFLfff.fffff | QFL | fff.ffff is the flow min value |
| | | | | | | | | | QFR | Firmware Revision |
| | Filter Fill/Settle Cutoff | S | F | S | | | | | | |
| | FF Pressure | S | F | P | | | | SFPfff.fffff | QFP | fff.fffff is the fast fill pressure |
| | Single Channel Bar Graph | S | G | S | | | | | QFM | |
| | Multi Channel Bar Graph | S | G | B | | | | | QFM | |
| | Single Channel Line Graph | S | G | G | | | | | QFM | |
| | Multi Channel Line Graph | S | G | L | | | | | QFM | |
| | Initialize Calibration | S | I | N | I | T | C | | | |
| | Initialize Configuration | S | I | N | I | T | F | | | |
| | Initialize Stored Params | S | I | N | I | T | P | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Initialize Serial Number | S | I | N | I | T | S | | | |
| | Initialize Stored Program Type | S | I | N | I | T | T | | | |
| | I/P Gateway | S | I | G | | | | | QIG | |
| **TSi Button** | **Description** | **Input String** | | | | | | **SET cmd** | **Query cmd** | **Notes** |
| | | | | | | | | | QIM | Query MAC Address |
| | I/P Netmask | S | I | N | | | | | QIN | |
| | I/O Test | S | I | O | | | | | | |
| | I/P Address | S | I | P | | | | | QIP | |
| | I/O Reset Time | S | I | R | | | | | QIR | |
| | PID D Constant | S | K | D | | | | | QKD | |
| | PID I Constant | S | K | I | | | | | QKI | |
| | PID P Constant | S | K | P | | | | | QKP | |
| | Evaluate at end of Test Box & Increase Enab. | S | L | D | | | | SLDx | QLD | 1= Evaluate at EOT, 2 = increase enabled, 3 both |
| | Next Program | S | L | N | | | | SLNii | QLN | ii is the program number |
| | Test Loops | S | L | O | | | | | QLO | |
| | Leak Standard Port Enabled | S | L | S | | | | SLSx | QLS | 0=off 1=on SLS1 to set RLS returns 01 |
| | Decay Limit Or Burst Trigger | S | M | D | | | | SMDfff.ffff | QMD | fff.fffff is the decay value or burst trigger |
| | Increase Limit | S | M | L | | | | SMLfff.fffff | QML | fff.fffff is the increase limit value |
| | | | | | | | | | QMN | Query model/TIN number |
| | | | | | | | | | QOF | Query Options and Fittings |
| | Decrement Prog | S | P | D | | | | SPD | | |
| | Distance (used for motor) | S | P | H | | | | | | |
| | Increment Prog | S | P | I | | | | SPI | | |
| | High Bleed Pressure Limit | S | P | J | | | | | QPJ | |
| | Ereg Always On/Off | S | P | K | | | | | QPK | |
| | Link Program Fail Flag | S | P | L | | | | | QPL | |
| | USB On/Off | S | P | M | | | | | | |
| | Program Name | S | P | N | | | | SPNssss | QPN | ssss is the sting (15 characters max) |
| | Pressure - | S | P | T | M | | | SPTMfff.ffff | QPTM | fff.fffff is minus tolerance value |
| | Pressure + | S | P | T | P | | | SPTPfff.ffff | QPTP | fff.fffff is plus tolerance value |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Units | S | P | U | | | | SPUi | QPU | see units on 'fields' tab |
| | Run Test | S | R | P | | | | SRP | | |
| | Burst Ramp Rate | S | R | R | | | | SRRff.fffff | QRR | fff.ffff is the ramp rate value |
| **TSi Button** | **Description** | **Input String** | | | | | | **SET cmd** | **Query cmd** | **Notes** |
| | Start On Input Bits | S | S | B | | | | | QSB | |
| | Save DAC On Abort | S | S | D | | | | | QSD | |
| | Serial Logging | S | S | L | | | | SSLi | QSL | see serial logging on 'fields' tab |
| | | | | | | | | | QSN | Query serial number |
| | Soft Reset | S | S | R | | | | | | simulate power cycle |
| | Idle Timer | S | T | 0 | | | | | QT0 | |
| | CP1 Pre Timer | S | T | 1 | | | | ST1fff.f | QT1 | |
| | CP2 Pre Timer | S | T | 2 | | | | ST2fff.f | QT2 | |
| | Fast Fill Timer | S | T | 3 | | | | ST3fff.f | QT3 | |
| | Fill Timer | S | T | 4 | | | | ST4fff.f | QT4 | |
| | Settle Timer | S | T | 5 | | | | ST5fff.f | QT5 | |
| | Test Timer | S | T | 6 | | | | ST6fff.f | QT6 | |
| | Vent Timer | S | T | 7 | | | | ST7fff.f | QT7 | |
| | CP 2 Post Timer | S | T | 8 | | | | ST8fff.f | QT8 | |
| | CP2 Post Timer | S | T | 9 | | | | ST9fff.f | QT9 | |
| | Available Test Types | S | T | A | | | | | QTA | |
| | Tester # Of Channels | S | T | C | | | | | QTC | |
| | Tester Concurrent | S | T | C | C | | | | QSC | |
| | Tester Sequential | S | T | C | S | | | | QSC | |
| | | S | T | D | | | | | | |
| | Statistics Reset | S | T | D | R | | | | | |
| | Get Znull | S | T | E | | | | | | |
| | Flow Sensor # | S | T | F | | | | | | |
| | Statistics For Previoius Channel | S | T | G | | | | | | |
| | Statistics For Next Channel | S | T | H | | | | | | |
| | ZNull/ZSpan On/Off | S | T | I | | | | | | |
| | Get ZSpan | S | T | J | | | | | | |
| | Sccm Standard | S | T | K | | | | | | |
| | Lock Calibration | S | T | L | C | | | | QTLC | |

| TSi Button | Description | Input String | | | | | | SET cmd | Query cmd | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | % of Fill Timer for PID | S | T | L | D | | | | QTLD | |
| | Lock Program Edit | S | T | L | P | | | | QTLP | |
| | Lock Current Program | S | T | L | S | | | | QTLS | |
| | Open Summary Page | S | T | M | | | | | | |
| | Test Pressure | S | T | P | | | | STPfff.fffff | QTP | fff.fffff is test pressure value |
| | Valve On | S | T | P | V | | | | | |
| | Clamp Pressure Min (Edwards) | S | T | Q | | | | | QTQ | |
| | Manual Regulator Enabled | S | T | R | 0 or M | | | | QTR | |
| | Electronic Regulator Enabled | S | T | R | 1 or E | | | | QTR | |
| | Tester Regulator Type | S | T | R | B | | | | QTR | 0 = Manual, 1 = Electronic, 2 = Both |
| | Pressure Sensor # | S | T | S | | | | | QTS | 1,2,3,4 |
| | Test Type | S | T | T | | | | STTi | QTT | see test types in the 'fields' tab |
| | USB Upload Programs | S | T | U | | | | | | |
| | USB Upload All Programs | S | T | U | A | | | | | |
| | Tester Volume | S | T | V | | | | STVfff.fffff | QTV | fff.fffff is the test volume value |
| | USB Save Program Data | S | T | W | | | | | | |
| | USB Save All Program Data | S | T | W | A | | | | | |
| | USB Save Stats | S | T | X | | | | | | |
| | Clamp Pressure (Edwards) | S | T | Y | | | | | QTY | |
| | Clamp Pressure Max (Edwards) | S | T | Z | | | | | QTZ | |
| | Update Tsi | S | U | D | | | | | | |
| | Vent Auto Select | S | V | A | | | | SVA | QVA | SVA0 for 'Timed', SVA1 for 'Auto' |
| | Write To Flash | S | W | R | | | | | | see write to flash in the 'fields' tab |