



COMMUNICATION

UART : Via USB (ACM), or RXTX pins. Use either . 115200 BAUD Rate. 8N1 I2C : Default 0x10 [Change via UART command I2C]

OPERATING VOLTS

Varies from tube to tube LND-712, LND 716 Linearity tested between 500 Volts and 600 Volts Operated at 600V

Default voltage limit set to 1100 volts to protect tubes. can be increased to 1250.

All Commands must be terminated with a \r . Responses end with \r\n .

COMMANDS DESCRIPTION

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I₂C

Long Version String VER? **VOLTS?** Measured Voltage (e.g. 400 V) Counts e.g. 212 COUNT? SETV X Set the tube voltage to X volts **START** Start counting events Stop Counting events **STOP** Clear the counter. Resets it to 0 **CLEAR** Clear the counter and stopwatch **RESET** Set time limit to X seconds TIME X Scan for Devices on the I2C bus SCANI2C **VOLTLIMIT** Change voltage limit. default 1100

Change I2C address

Short Version (CSGM2.1)

12C **ADDRESS** LOCATION REMARK **START** 100 **STOP** 101 RESET 102 SAVE 103 read 2 bytes. Isb, msb **READVOLTS** 104 write 2. lsb, msb **WRITEVOLTS** 105 **READCOUNTS 106** read 4 bytes lsb,lsb2,3,.msb write 2 bytes . Isb, msb. **TIMELIMIT** 107