



# OPERATING INSTRUCTIONS FOR Digiread 8000 3D COUNTER

## MODES OF OPERATION: Parameter Entry

CNT100MO



PARAMETER ENTRY: The LED next to the P key lights up. To change or view parameters enter Code number 805. All LED's light up. To view parameters press E



The display window for the X axis will display P.01 for parameter 1. The keyboard display shows the value for parameter 1. To advance to the next parameter without changing press the E key again.



Press the C key to erase the value for the selected parameter then the E key to advance to the next parameter.

Machine Parameters software version CNT3\_1\*\*

|       |                                 |                 |       |
|-------|---------------------------------|-----------------|-------|
| MP 01 | scaling factor X axis x 1000000 | Range 1-9999999 | _____ |
| MP 02 | scaling factor Y axis x 1000000 | Range 1-9999999 | _____ |
| MP 03 | scaling factor Z axis x 1000000 | Range 1-9999999 | _____ |
| MP 04 | scaling factor W axis x 1000000 | Range 1-9999999 | _____ |
| MP 05 | counting direction X axis       | Range 0-1       | _____ |
| MP 06 | counting direction Y axis       | Range 0-1       | _____ |
| MP 07 | counting direction Z axis       | Range 0-1       | _____ |
| MP 08 | counting direction W axis       | Range 0-1       | _____ |
| MP 09 | decimal point                   | Range 1-3       | _____ |
| MP 10 | select axis (1)                 | Range 1-3       | _____ |
| MP 11 | select axis (2)                 | Range 1-3       | _____ |
| MP 12 | select axis (3)                 | Range 1-3       | _____ |
| MP 13 | set to zero                     | Range 0         | _____ |
| MP 14 | value for TRIG                  | Range 1-255     | _____ |
| MP 15 | not used set to zero            | Range 0-1       | _____ |
| MP 16 | last scaling factor             | Range 1-1000000 | _____ |

9 pin sub D  
male  
RS 232C

|          |           |
|----------|-----------|
| 2 >----- | RX        |
| 3 >----- | TX        |
| 5 >----- | 0V return |

5 pin Din  
female 180 deg  
Probe input

|          |        |
|----------|--------|
| 1 >----- | LED    |
| 3 >----- | +5VDC  |
| 4 >----- | 0V     |
| 5 >----- | signal |

Selection of axis:

1 = X axis  
2 = Y axis  
3 = Z axis

9 pin sub D  
sinewave  
RS 422

|          |           |
|----------|-----------|
| 1 >----- | channel A |
| 2 >----- | channel A |
| 3 >----- | +5 V DC   |
| 4 >----- | 0 V DC    |
| 5 >----- | channel B |
| 6 >----- | channel B |
| 7 >----- | channel R |
| 8 >----- | channel R |
| 9 >----- | screen    |

9 pin sub D  
5V TTL

|          |           |
|----------|-----------|
| 1 >----- | channel A |
| 2 >----- |           |
| 3 >----- | +5 V DC   |
| 4 >----- | 0 V DC    |
| 5 >----- | channel B |
| 6 >----- |           |
| 7 >----- | channel R |
| 8 >----- |           |
| 9 >----- | screen    |