

OPERATING INSTRUCTIONS FOR DIGIREAD 8003 P COUNTER

MODES OF OPERATION:

cnt3_PA.cdr



P 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.



C 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 ver. CNT1_204, CNT2_204, CNT3_204, CNT4_204 Preset counter 1-4 axis

| | | | |
|-------|--------------------------------|-----------------|-------|
| MP 01 | scaling factor X axis x 100000 | Range 1-9999999 | _____ |
| MP 02 | scaling factor Y axis x 100000 | Range 1-9999999 | _____ |
| MP 03 | scaling factor Z axis x 100000 | Range 1-9999999 | _____ |
| MP 04 | scaling factor W axis x 100000 | 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 | Add W axis to axis 1,2,3 or 0 | Range 0-3 | _____ |
| MP 11 | Reference preset if enabled | Range 0-700000 | _____ |
| MP 12 | Reference preset if enabled | Range 0-700000 | _____ |
| MP 13 | Reference preset if enabled | Range 0-700000 | _____ |

MP 10=0 normal operation as 3 axis readout

MP 10=1 W axis added to X axis

MP 10=2 W axis added to Y axis

MP 10=3 W axis added to Z axis

MP 10=4 W axis displayed on X axis display, X axis disabled

MP 10=5 W axis displayed on Y axis display, Y axis disabled

MP 10=6 W axis displayed on Z axis display, Z axis disabled

Note: The scaling factors for the W axis and the added Axis must be the same.

9 pin sub D
sinewave
RS 422

| | |
|----------|-------------------|
| 1 >----- | channel A |
| 2 >----- | channel \bar{A} |
| 3 >----- | +5 V DC |
| 4 >----- | 0 V DC |
| 5 >----- | channel B |
| 6 >----- | channel \bar{B} |
| 7 >----- | channel R |
| 8 >----- | channel \bar{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 |

15 pin sub D high density
10-30V line driver

| | |
|-----------|-------------------|
| 1 >----- | channel A |
| 6 >----- | channel A |
| 2 >----- | channel \bar{A} |
| 7 >----- | channel A |
| 3 >----- | channel B |
| 8 >----- | channel B |
| 4 >----- | channel \bar{B} |
| 9 >----- | channel \bar{B} |
| 11 >----- | +5 V DC |
| 12 >----- | +5 V DC |
| 5 >----- | 0 V DC |
| 10 >----- | 0 V DC |
| 14 >----- | screen |