

# OPERATING INSTRUCTIONS FOR DIGIREAD 8003 P COUNTER

## MODES OF OPERATION:

CN2\_9\_4.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. CN2\_90\*. Pressbrake counter

|       |                                |                 |       |
|-------|--------------------------------|-----------------|-------|
| 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 | Vee size Pinch point           | Range 10-1000   | _____ |
| MP 11 | Reference offset X             | Range 0-700000  | _____ |
| MP 12 | Reference offset Y             | Range 0-700000  | _____ |
| MP 13 | Reference offset Z             | Range 0-700000  | _____ |
| MP 14 | Reference offset W             | Range 0-700000  | _____ |
| MP 15 | Pinchpoint=0 Tool =1           | Range 0-1       | _____ |
| MP 16 | Current tool number            | Range 0-9       | _____ |
| MP 17 | Sheet thickness                | Range 0-99.9    | _____ |
| MP 18 | axis and reference selection   | Range 0-255     | _____ |
| MP 19 | 0                              | Range 0         | _____ |

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    |

MP 18 selection

|          |             |
|----------|-------------|
| MP18=1   | X ref off   |
| MP18=2   | Y ref off   |
| MP18=4   | Z ref off   |
| MP18=8   | X axis off  |
| MP18=16  | Y axis off  |
| MP18=32  | Z axis off  |
| MP18=64  | Ser test on |
| MP18=128 | n/a         |

15 pin sub D  
high density  
I/O connector

|           |                              |
|-----------|------------------------------|
| 1 >-----  |                              |
| 2 >-----  |                              |
| 3 >-----  |                              |
| 4 >-----  | Z axis ref. limit n/c        |
| 5 >-----  | X axis ref. limit n/c        |
| 6 >-----  | +5VDC                        |
| 7 >-----  | +5VDC                        |
| 8 >-----  |                              |
| 9 >-----  |                              |
| 10 >----- |                              |
| 11 >----- |                              |
| 12 >----- | Note: The Reference pulse is |
| 13 >----- | enabled with the input       |
| 14 >----- | low .                        |

15 pin sub D  
high density  
10-30V transducer

|           |           |
|-----------|-----------|
| 1 >-----  | A phase   |
| 2 >-----  | A phase   |
| 3 >-----  | B phase   |
| 4 >-----  | B phase   |
| 5 >-----  | 0VDC      |
| 6 >-----  |           |
| 7 >-----  | Reference |
| 8 >-----  |           |
| 9 >-----  | Reference |
| 10 >----- | 0VDC      |
| 11 >----- | +15VDC    |
| 12 >----- | +15VDC    |
| 13 >----- |           |
| 14 >----- | screen    |