

# FlexWedge FW-1M to USB Quick Start Guide

***Congratulations on choosing the FlexWedge Gage Interface from Midwest FlexSystems, Inc.***

The ***FlexWedge Gage Interface*** (FW-1M-USB) is designed for interfacing measuring instruments with Mitutoyo Digimatic output to a computer that is equipped with a USB port.

No setup is required. The ***FlexWedge to USB*** interface will work right out of the box. Connect the ***FlexWedge*** directly to any USB Port on the computer and collect data immediately. Gage readings appear as if they were typed on the keyboard numeric pad. Now readings are displayed just like you typed them...No data entry errors!

## ***Defaults:***

- Gage input: -Mitutoyo compatible device
- Data send: -Footswitch input  
-Data send button  
-Send button on gage
- Flashing LED -Signals data send completed
- Output: -Readings appear as if typed on keyboard, followed by a carriage return/line feed <CR><LF>  
  
-When used in spreadsheet programs (like Excel) the readings are entered in column form.  
Numbers are entered and then moves to next row in same column
- Power: -No external power supply required! Power is drawn from USB port on PC.

## ***Standard Output:***

Full output format: 10 characters including spaces

<i>Character position</i>	1	2	3	4	5	6	7	8	9	10	25	26
<i>Data String</i>	#	#	#	#	#	#	#	#	#	#	CR	LF
<i>Field name</i>	Reading											

- Reading*** - Measurement data captured from device and sent to PC.  
***CR/LF*** - Line termination for output. Moves cursor DOWN to the next row  
***Polarity*** - Negative numbers are preceded by a '-' sign in reading field.

## ***Notes:***

-Most spreadsheets will allow you to force the number of decimal positions shown. By fixing the number to match the gage output numbers look uniform. (i.e. 1.12000 is not rounded to 1.12)