FlexPort Gage Adapter Quick Start Guide

Congratulations on choosing the FlexPort Gage Adapter from Midwest FlexSystems, Inc.

The FlexPort Gage Adapter unit is designed for interfacing measuring instruments to a computer that is equipped with an RS-232 (EIA-232-D) communication interface (serial port).

No setup is required. The FlexPort Gage Adapter will work right out of the box with no DIP switches to set or software to run. Simply connect your measuring device and collect data immediately.

Default Configuration:	Gage input:	See selection below
	Data send:	Footswitch input
		Data send button
		Flashing LED for data send
		Host commands
	Output:	Standard RS232 output (9600,N, 8,1)
		- 9600 baud, no parity, 8 data bits, 1 stop bit
	Power:	Powered from serial port or optional power supply

Unit is shipped with data transfer cable to connect to DB9 serial port. Power supply and DB25 cables available upon request.

Standard RS232 Output Format: Full output format: 26 characters

Character position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Data String	#	#	#	#	,	#	#	#	#	#	#	#	#	#	#	,	-	-	-	-	-	,	#	#	CR	LF
Field name	Count					Reading											Mode						ID			

Count	- Sequential counter for number of readings sent.
Reading	- Measurement data captured from device and sent to PC.
Mode	- Displays the setup options that are activated.
ID	- Identifies from which input this reading originated.
CR/LF	- Line termination for output.
(,)	- Comma delimited fields for easy data parsing
Polarity	- Negative numbers are preceded by a '-' sign in reading field.

Host command:

Action	Command	Response
Read an input	R<*CR*>	Will return gage reading on port

FlexPort Gage Adapter Inputs:

Part Number	Gage Type	Notes
FP-1025-06	Mahr Federal Maxum Indicator	
FP-1051-06	Mahr Federal Micro Maxum Indicator	
FP-1200-06	Ono Sokki EG225 Indicator	
FP-1225-06	Ono Sokki DG4140 Display	Plug cable into display before powering on display.
FP-1425-06	CDI Logic Indicator	

RS-232 (DB9F) (EIA-232-D) Output Pin Assignments

Pin Number	Signal Name
2	RxD
3	TxD
5	Ground