

# Manning Environmental Inc.

## Vacuum Quick Programming Guide - By Function

Sampler Configuration Functions		
*08	Analog Display	View/calibrate analog signal to sampler
*99	Sampler Setup/Configuration	Change basic sampler settings (sampler setting: 1=single bottle, 2=multi-bottle)
Time Programs		
*START	Hourly Sample	Sample event every hour
TIME	Time Interval Countdown	Uniform time interval between sample events
*04	Time - Multiple Intervals	Non-uniform time intervals between sample events
Flow/Level Programs		
FLOW	Contact Closure	Contact closure will trigger sample event
FLOW + DELAY START	Pulse/Contact Accumulation	Set the number of pulse/contact to trigger sample event
*01	Flow - Independently Timed Spout Advance	Time to advance spout (multi-bottle flow proportional)
*03	Flow/Level - External Event	Samples on time interval while contact is closed
*05	Flow - Totalizing Analog	Sample event based on totalized flow
*06	Analog Level Mode	Sample event based on level
*10	Flow - Multiple Bottle Composite	Set the number of flow composite bottles and the number of samples in each
*11	Flow - Totalizing Analog Multiple Bottle Composite	Totalizing *10
Flow & Time Programs		
*02	Flow - Time Override	Sample event time interval if no flow trigger
*07	Flow - Time Interval Delay	Time delay for each sample event after flow trigger
*09	Hydrologic Level Event	Sample event based on rising/falling levels (storm)
*12	Flow - Multiple Bottle Composite with Bottle Groups	*10 with multiple bottle groups, each group has it's own active time interval (for contact closure)
*13	Flow - Totalizing Analog with Bottle Groups	*10 with multiple bottle groups, each group has it's own active time interval (for analog)
Add-On Programming (Programs to use in combination with other programs.)		
*15	Active Periods	Days and times to allow sample events
DELAY START	Countdown to Program	Delay the start of a program by time interval
	Multi-Samples per Bottle	Set the number of samples to go in each bottle
	Multi-Bottles per Sample	Set the number of bottles for deposit per sample event
Data Logging Functions		
*14	Clear Log Data	Erases data from datalog (Be sure first!)
*91	Data Log Menu	ID; View; Download; Clear

**Note:** Before using any multi-bottle programming, sampler must be set to multi-bottle using \*99.

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## Vacuum Quick Programming Guide - By \* Mode

*01	Flow - Independently Timed Spout Advance	Time to advance spout (multi-bottle flow proportional)
*02	Flow - Time Override	Sample event time interval if no flow trigger
*03	Flow/Level - External Event	Samples on time interval while contact is closed
*04	Time - Multiple Intervals	Non-uniform time intervals
*05	Flow - Totalizing Analog	Sample event based on totalized flow
*07	Flow - Time Interval Delay	Time delay for each sample after flow trigger
*08	Analog Display	View/calibrate analog signal to sampler
*09	Hydrologic Level Event	Sample event based on rising/falling levels (storm)
*10	Flow - Multiple Bottle Composite	Set the number of flow composite bottles and the number of samples in each
*11	Flow - Totalizing Analog Multiple Bottle Composite	Totalizing *10
*12	Flow - Multiple Bottle Composite with Bottle Groups	*10 with multiple bottle groups, each group has it's own active time interval (for contact closure)
*13	Flow - Totalizing Analog with Bottle Groups	*10 with multiple bottle groups, each group has it's own active time interval (for analog)
*14	Clear Log Data	Erases data from datalog (Be sure first!)
*15	Active Periods	Days and times to allow sample events
*91	Data Log Menu	ID; View; Download; Clear
*START	Hourly Sample	Sample event every hour
DELAY START	Countdown to Program	Delay the start of a program by time interval
Multi-Samples per Bottle		Set the number of samples to go in each bottle
Multi-Bottles per Sample		Set the number of bottles for deposit per sample event
FLOW	Contact Closure	Contact closure will trigger sample event
FLOW + DELAY START	Pulse/Contact Accumulation	Set the number of pulse/contact to trigger sample event
TIME	Time Interval Countdown	Time interval between sample events
On modes highlighted in green: Use *99 to choose multi-bottle option first.		

For more advanced programming features or more in-depth explanations, please refer to the owner's manual.

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