

# **E-SAMPLER V2 MODBUS MAP**



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# 1. Modbus Map

## 1.1. 3x Modbus Map

Name	Address	Type	Points	Description
Word	0	Uint16	1	Fixed value of 1
Dword	1	Uint32	2	Fixed value of 123456789
Float	3	Float32	2	Fixed value of 123456.0
String	5	String	3	Fixed value of "ABCDE"
Year	100	Uint16	1	Current time Year
Month	101	Uint16	1	Current time Month
Day	102	Uint16	1	Current time Day
Hour	103	Uint16	1	Current time Hour
Minute	104	Uint16	1	Current time Minute
Second	105	Uint16	1	Current time Second
Date/Time	106	Uint32	2	Current Unix time (Seconds since Jan 1 1970)
N Channel	200	Uint16	1	Number of channels in last data record
Serial Number	201	String	4	MOI serial number (8 Bytes including 0 terminator)
Revision	205	String	20	Product Model, part number, and revision
Digital Revision	225	String	20	Digital sensor Model, part number, and revision

Instantaneous real time readings

<b>Name</b>	<b>Address</b>	<b>Type</b>	<b>Points</b>	<b>Description</b>
Date/Time	1000	Uint32	2	Current Unix time (Seconds since Jan 1 1970)
Status	1002	Uint32	2	Current alarm status
Conc	1004	Float	2	Real time concentration
Flow	1006	Float	2	(LPM) Flow rate
AT	1008	Float	2	(C) Ambient temperature
BP	1010	Float	2	(mmHg) Barometric pressure
RHX	1012	Float	2	(%) External relative humidity
RHI	1014	Float	2	(%) Internal relative humidity
WS	1016	Float	2	(mmHg) Upper tape pressure
WD	1018	Float	2	(mmHg) Lower tape pressure
BV	1022	Float	2	Battery Voltage

Last data record readings

<b>Name</b>	<b>Address</b>	<b>Type</b>	<b>Points</b>	<b>Description</b>
Date/Time	2000	Uint32	2	Current Unix time (Seconds since Jan 1 1970)
Status	2002	Uint32	2	Current alarm status
Conc	2004	Float	2	Real time concentration
Flow	2006	Float	2	(LPM) Flow rate
AT	2008	Float	2	(C) Ambient temperature
BP	2010	Float	2	(mmHg) Barometric pressure
RHX	2012	Float	2	(%) External relative humidity
RHI	2014	Float	2	(%) Internal relative humidity
WS	2016	Float	2	(mmHg) Upper tape pressure
WD	2018	Float	2	(mmHg) Lower tape pressure
BV	2022	Float	2	Battery Voltage

## 1.2. 4x Modbus Map

Name	Address	Type	Points	Description
Modbus Address	0	Int16	1	Modbus address
Byte Order	1	Int16	1	Value 1 to 4
Year	100	UInt16	1	Set time Year
Month	101	UInt16	1	Set time Month
Day	102	UInt16	1	Set time Day
Hour	103	UInt16	1	Set time Hour
Minute	104	UInt16	1	Set time Minute
Second	105	UInt16	1	Set time Second
Date/Time	106	UInt32	2	Set Unix time (Seconds since Jan 1 1970)