Some variables like temp, flow, pH may be measured in multiple instances throughout processes.
Similarly, a process may contain more than 1 dosing apparatus.
It is best to plan ahead with alternative names and addresses for multiple instances of a device to uniquely iden
This is a set of sample recommendations for alternative names and addresses to accommodate multiple devices

	Single Instance			Multiple Occurences				
Device	Address	Hex	Name	Address	Hex	Name	Description	Medium
DO	97	0x61	DO	n/a	n/a	n/a	dissolved oxygen	water
ORP	98	0x62	ORP	n/a	n/a	n/a	ORP	water
EC	100	0x64	EC	n/a	n/a	n/a	Conductivity	water
pH	99	0x63	pH	99	0x63	pH1	pH	water
pH	n/a	n/a	n/a	125	0x7D	pH2	pH	water
RTD	102	0x66	RTD	102	0x66	RTD1	temperature	water/air
RTD	n/a	n/a	n/a	120	0x78	RTD2	temperature	water/air
FLO	104	0x68	FLO	104	0x68	FLO1	flow meter	water
FLO	n/a	n/a	n/a	121	0x79	FLO2	flow meter	water
FLO	n/a	n/a	n/a	122	0x7A	FLO3	flow meter	water
PMP	103	0x67	PMP	103	0x67	PMP1	dosing pump	water
PMP	n/a	n/a	n/a	123	0x7B	PMP2	dosing pump	water
PMP	n/a	n/a	n/a	124	0x7C	PMP3	dosing pump	water
HUM	111	0x6F	HUM	n/a	n/a	n/a	ambient humidity and temperature	air
CO2	105	0x69	CO2	n/a	n/a	n/a	carbon dioxide	air
PRS	106	0x6A	PRS	n/a	n/a	n/a	pressure	air
O2	108	0x6C	O2	n/a	n/a	n/a	oxygen	air
PMP-L	109	0x6D	PMP-L	n/a	n/a	n/a	large dosing pump	water
RGB	112	0x70	RGB	n/a	n/a	n/a	colorometer	air

tify them.
s of the same type.

Values	Multi-Instance Purpose
dissolved oxygen	n/a
oxygen redox potential	n/a
Conductivity, TDS, Salinity,SpecificGravity	n/a
pH - log of free hydrogen	Sump pH
pH - log of free hydrogen	RO Water Prep pH
temperature	Sump Temp
temperature	RO Water Prep Temp
total, Instantaneous Flow	Sump Recirc Flow
total, Instantaneous Flow	RO Water Transfer Flow
total, Instantaneous Flow	Discharge Flow
dispensed volume in mL	Remineralize Dosing
dispensed volume in mL	Macro Nutrients
dispensed volume in mL	Micro Nutrients
humidity, temperature, dewpoint	n/a
	n/a
	n/a
	n/a
	n/a
	n/a