M5Stack Unit AC Measure I2C Protocol

V1 (FW Version)
2023/3/24

REG MAP (Addr:0x42)			0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	note
String	Voltage(V)	0x00 R	thousand's digit	hundred's digit	ten's digit	unit's digit	.	tenths	hundredths										
	Current(A)	0x10 R	thousand's digit	hundred's digit	ten's digit	unit's digit	.	tenths	hundredths										
	Active Power(W)	0x20 R	thousand's digit	hundred's digit	ten's digit	unit's digit	.	tenths	hundredths										
	Apparent Power(VA)	0x30 R	thousand's digit	hundred's digit	ten's digit	unit's digit	.	tenths	hundredths										
	Power Factor	0x40 R	unit's digit	.	tenths	hundredths													
	kW.h	0x50 R	ten millions	millions	hundred thousand's digit	ten thousand's digit	thousand's digit	hundred's digit	ten's digit	unit's digit	.	tenths	hundredths						
Value	Voltage(V)	0x60 R	voltage-L	voltage-H															Voltage: Voltage = (voltage-L + voltage-H * 256) / 100 [1]
	Current(A)	0x70 R	current-L	current-H															Current: Current = (Current-L + Current-H * 256) / 100
	Active Power(W)	0x80 R	active power-byte0	active power-byte1	active power--byte2	active power--byte3													Active Power: ActivePower = (ActivePower-L + ActivePower-H * 256) / 100
	Apparent Power(VA)	0x90 R	apparent power-byte0	apparent power-byte1	apparent power-byte2	apparent power-byte3													Apparent Power: ApparentPower = (Apparent Power-L + ApparentPower-H * 256) / 100
	Power Factor	0xA0 R	power factor																Power Factor: power factor / 100
	kW.h	0xB0 R/W	kW.h-byte0	kW.h-byte1	kW.h-byte2	kW.h-byte3													kW.h: kW.h = (kW.h-byte0 + kW.h-byte1 * 256 + kW.h-byte2 * 65536 + kW.h-byte3 * 16777216) / 100
	Voltage Coefficient	0xC0 R/W	voltage coefficient																Voltage Coefficient: voltage coefficient / 100
	Current Coefficient	0xD0 R/W	current coefficient																Current Coefficient: current coefficient / 100
	Save Coefficient	0xE0 W	save																Save: set a value > 1, will save voltage and current coefficient
	Ready	0xF0 R													Ready				Ready: Ready=1, data ready; Ready = 0, data not ready
	Jump Bootloader	0xF0 W														Jump			Jump Bootloader: Write 1 jump to bootloader
	Firmware Version	0xF0 R															Version		**Version:** firmware version number
	I2C Address	0xF0 R/W																Address	**Address:** I2C Address

[1] For example, the actual voltage is 100.55V, and the obtained data is 100.55*100=10055， Temperature-L = 0x47, Temperature-H = 0x27