

M5Stack Unit ExtEncoder I2C Protocol																		V2 (FW Version)		
																		2023/5/10		
REG MAP (Addr:0x59)			0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	note	
Setting	Perimeter (mm)	0x40 R/W	Perimeter-Byte0	Perimeter-Byte1	Perimeter-Byte2	Perimeter-Byte3													Perimeter: Perimeter = (Perimeter-byte0 + Perimeter-byte1 * 256 + Perimeter-byte2 * 65536 + Perimeter-byte3 * 16777216)	
	Pulse per round	0x50 R/W	Pulse-Byte0	Pulse-Byte1	Pulse-Byte2	Pulse-Byte3													Pulse per round: Pulse per round = (Pulse-byte0 + Pulse-byte1 * 256 + Pulse-byte2 * 65536 + Pulse-byte3 * 16777216)	
	Z Trigger Mode	0x70 W/R	Z Trigger Mode													0; Endless; 1; Z Rising edge, encoder = 0; 2; Z Falling edge, encoder = 0;				
	Reset	0x30 W	Reset													Write 1 to reset encoder and meter value				
Reading	Encoder Value	0x00 R	Encoder Value-Byte0	Encoder Value-Byte1	Encoder Value-Byte2	Encoder Value-Byte3													Encoder Value: Encoder Value = (Encoder Value-byte0 + Encoder Value-byte1 * 256 + Encoder Value-byte2 * 65536 + Encoder Value-byte3 * 16777216)	
	Meter Value (mm)	0x10 R	Encoder Value-Byte0	Encoder Value-Byte1	Encoder Value-Byte2	Encoder Value-Byte3													Meter Value: Meter Value = (Meter Value-byte0 + Meter Value-byte1 * 256 + Meter Value-byte2 * 65536 + Meter Value-byte3 * 16777216)	
	Meter Value String (m)	0x20 R	sign	thousand's digit	hundred's digit	ten's digit	unit's digit	"."	tenths	hundredths	thousandths									
	Turns (Z Counter)	0x60 R/W	Turns-Byte0	Turns-Byte1	Turns-Byte2	Turns-Byte3													Turns(Z Counter): Turns = (Turns-byte0 + Turns-byte1 * 256 + Turns-byte2 * 65536 + Turns-byte3 * 16777216)	
System	Firmware Version	0xF0 R															Version		Version: firmware version number	
	I2C Address	0xF0 R																Address		Address: I2C Address