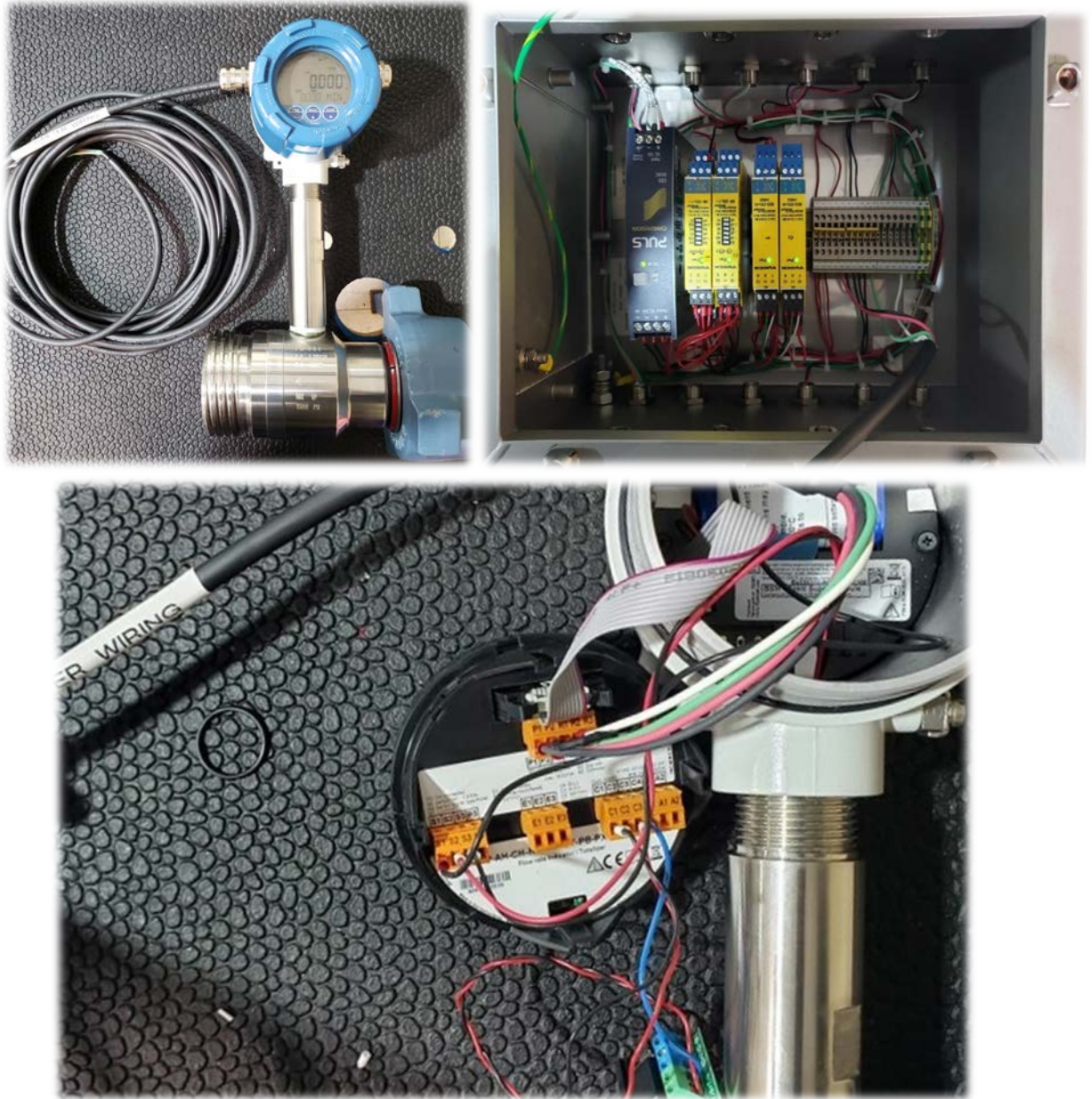


Rapidlogger Systems

Using Rapidlogger with EDD 860 Explosion Proof Flowmeter Totalizer

This tech note describes the process to connect an EDD 860 Explosion Proof Totalizer with a Rapidlogger system.



The counter outputs on the EDD 860 Explosion Proof Totalizer needs pull up with a 10k resistor to enable them to generate outputs. are of the passive type.

Rapidlogger Systems

- We need to set K factor from excel spread sheet
- Modbus communication is through C3 and C4. Connect C3 and C4 with TR+ and TR - respectively. Power supply is on P1 and P2

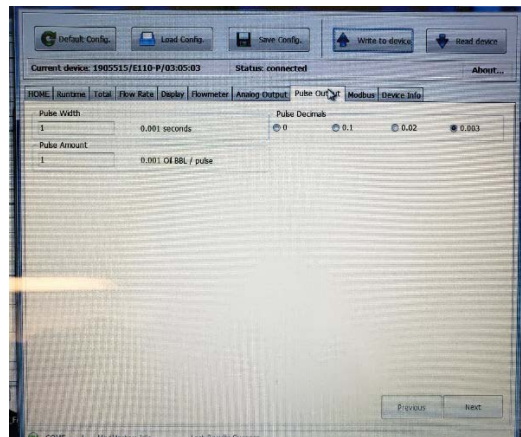
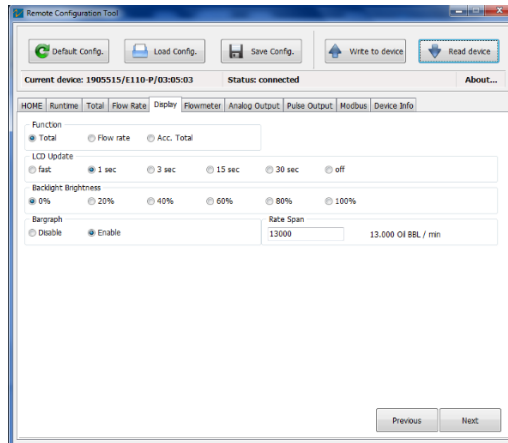
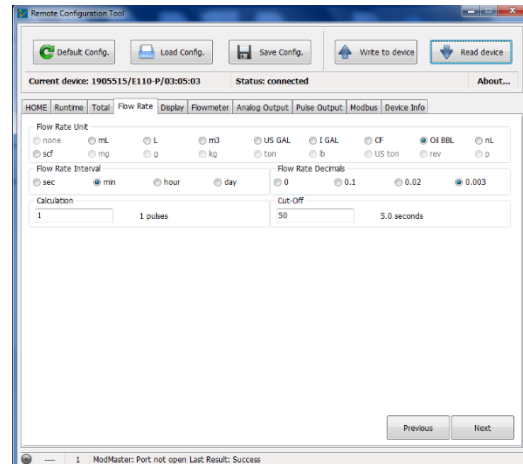
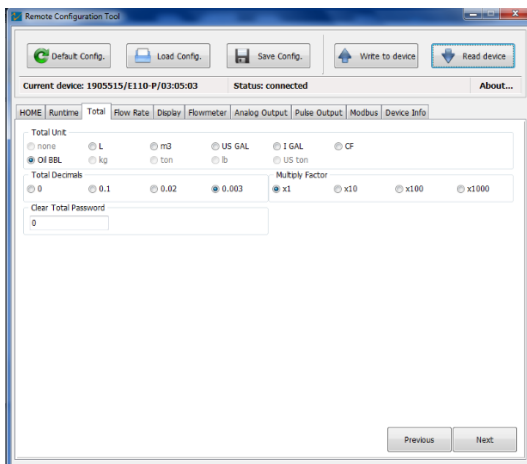
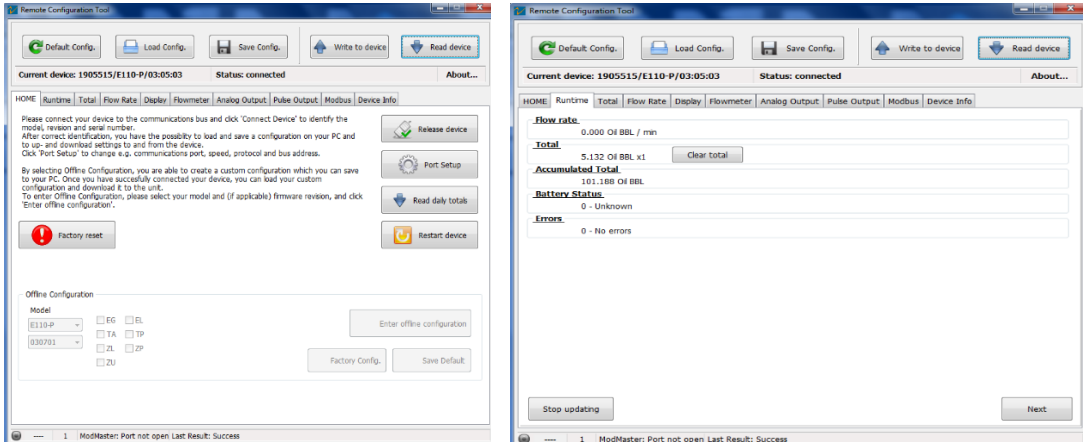
Rapidlogger Quadrature input then the connection should be wired as shown in table 2.

Modbus Communication		Rapidlogger Terminal	
C4	TR-	TGRY15	R2 SIGNAL INPUT J5-3 Brown
C3	TR+	TGRY10	R1 DC Ground
C1	Ground	TGRY6	P1 Ground
		TGRY5	P2 DC out
Pull Up Resistor Wiring			
		R2	10K ohm resistor to P2

Table 1: EDD860 wired to Rapidlogger Digital Input

The setting in the flowmeter totalizer can be adjusted from the front panel of the totalizer or via Modbus along with the Fluidwell Remote Configuration Utility.

Rapidlogger Systems



Pulse Output value is 0.001 on the EDD flowmeter totalizer

Rapidlogger Systems

Since this value is in bbl/pulse we multiply it by 60 (seconds) to obtain bbl/minute. So the value you enter in the Multiplier field of the Rapidlogger utility is 0.06000.

