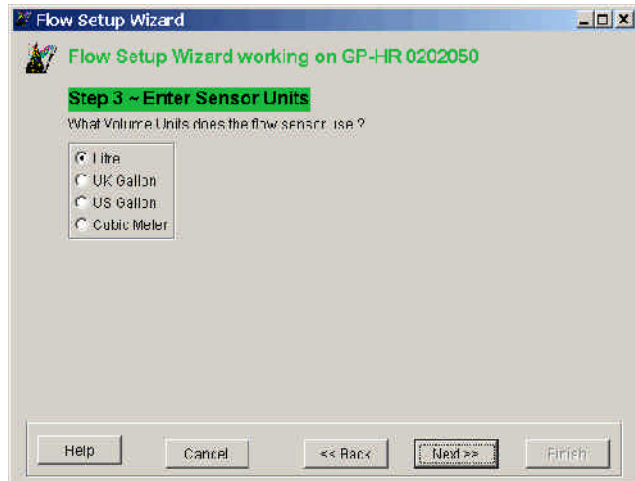
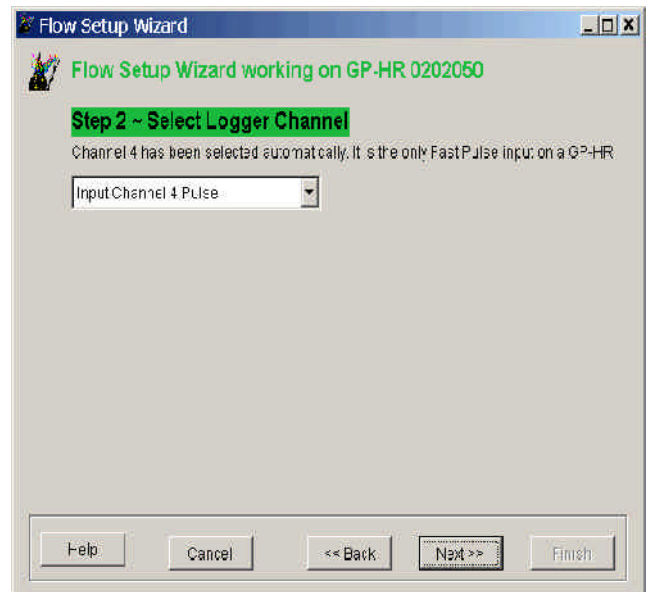
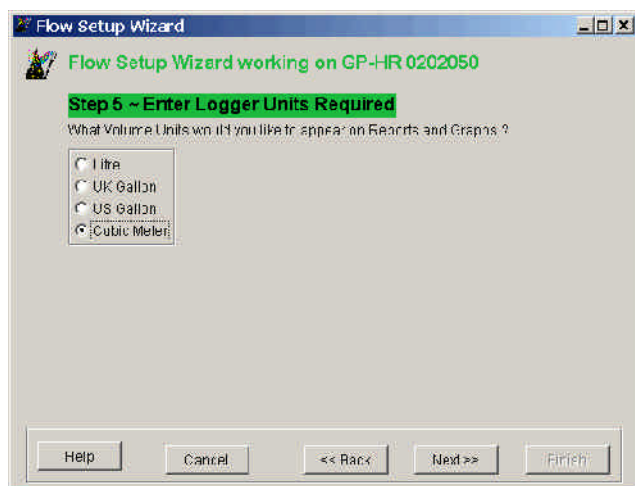
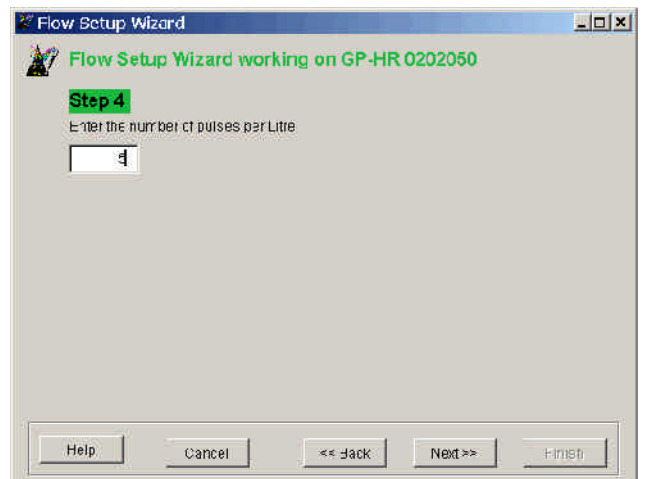


If we select a Pulse sensor the wizard will allow us to select a Pulse input channel on the logger.



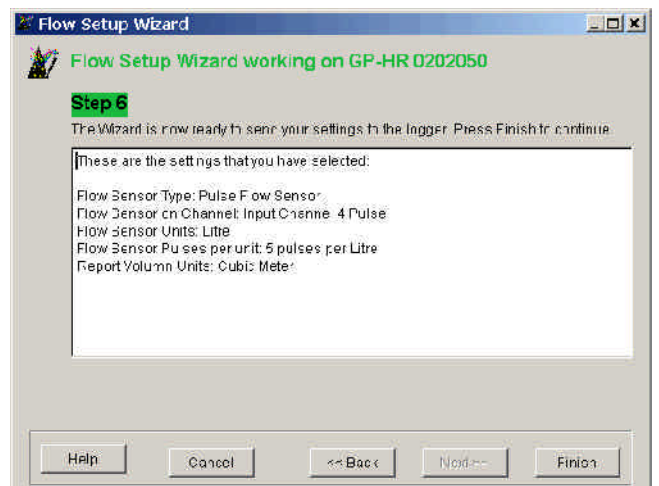
Then we enter the volume units use by the sensor.

Next we enter the number of pulses per sensor volume.

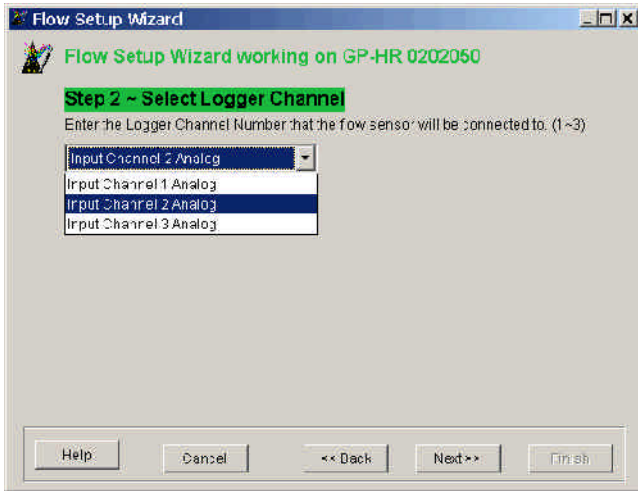


Next we enter the Volume units that we want to appear on reports and graphs.

Finally we check that all details have been entered correctly and press the Finish button. The Wizard then sets up the Logger.

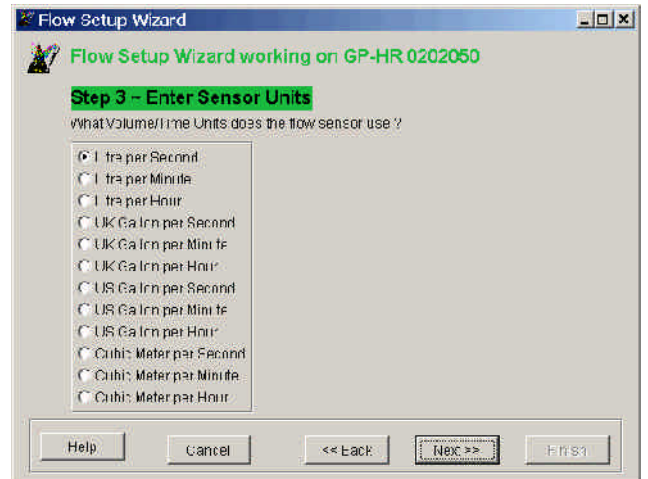


The Logger can now be started and Flow data collected

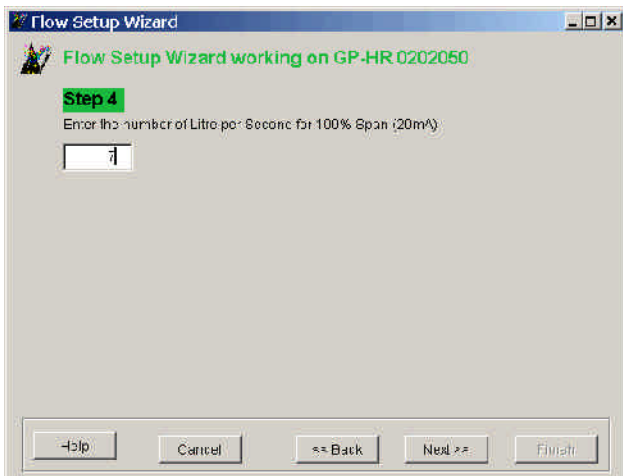


If we select an analog flow sensor (4 to 20mA, 0 to 100mV or 0 to 10V) in step 1 the wizard will first ask you to select an analog input channel.

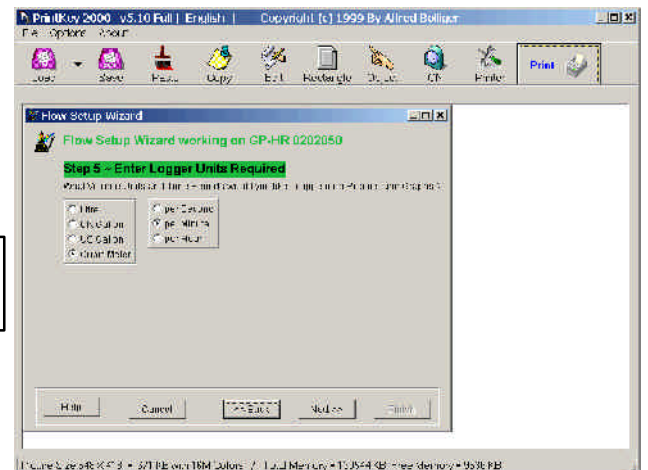
And then select the Volume/Time units for the sensor.



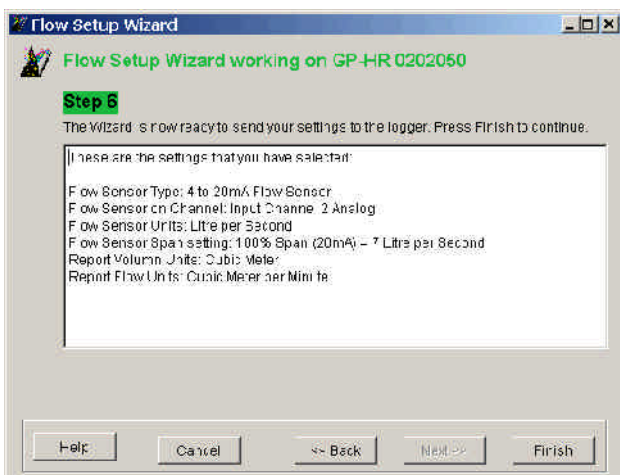
Next we enter the Volume per Time value for 100% Span.



Then we select Volume per Time units required on reports and graphs.

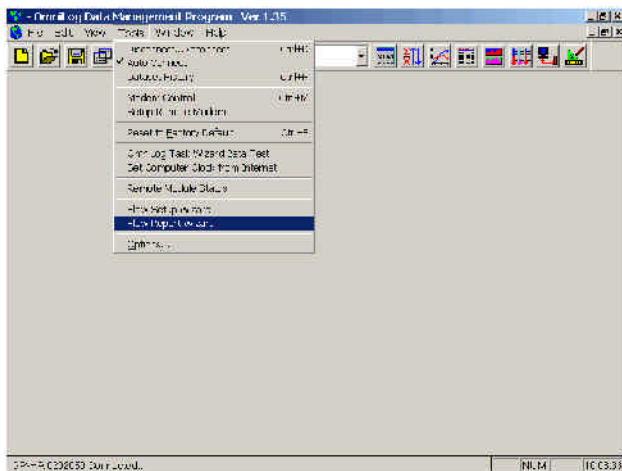
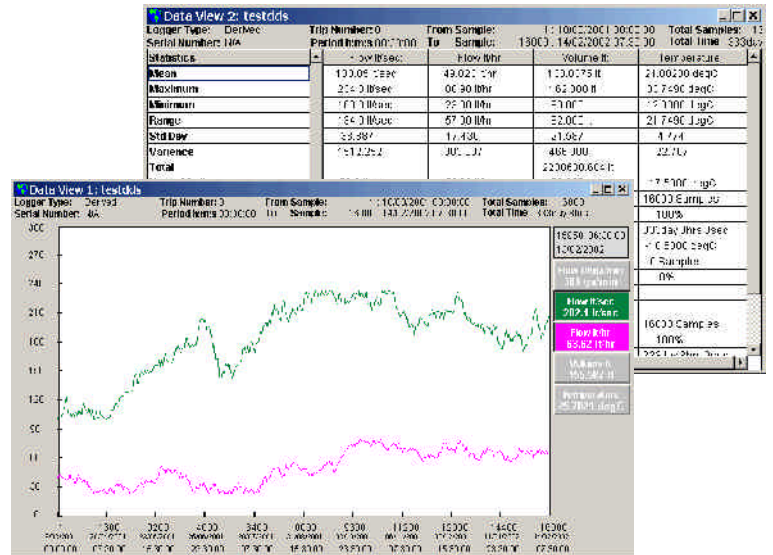


step 1 the wizard will first ask you to select an analog input channel. Next we enter the Volume per Time value for 100% Span. Finally we check that all details have been entered correctly and press the Finish button. The Wizard then sets up the Logger.



The Logger can now be started and Flow data collected

The logger can now be used in the normal way to collect data. Data can be downloaded and displayed in the normal way. Values, Statistics and Graph views will show data in the units selected in the setup wizard.



Once data has been downloaded the Flow Report Wizard can be used to generate a range of totalised flow reports. The Flow Report Wizard is selected from the Tools Menu

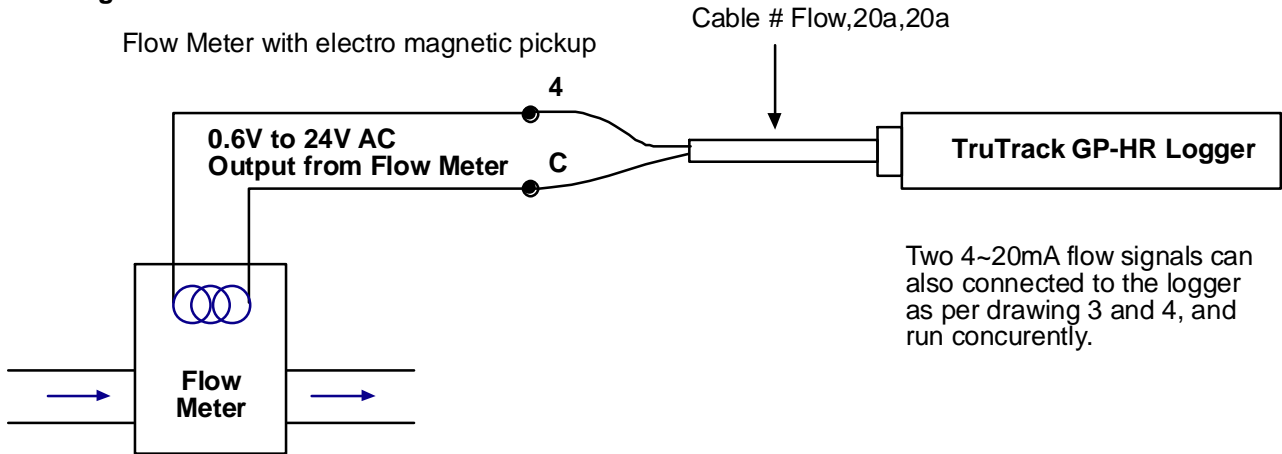
The Flow Report Wizard is used to select the Start and Finish Time of the report, the reporting period, the channel, the units for totalised Volumes and the type of totaling.

The screenshot shows the 'Flow Report Wizard' dialog box for 'testdds'. It contains the following fields and options:

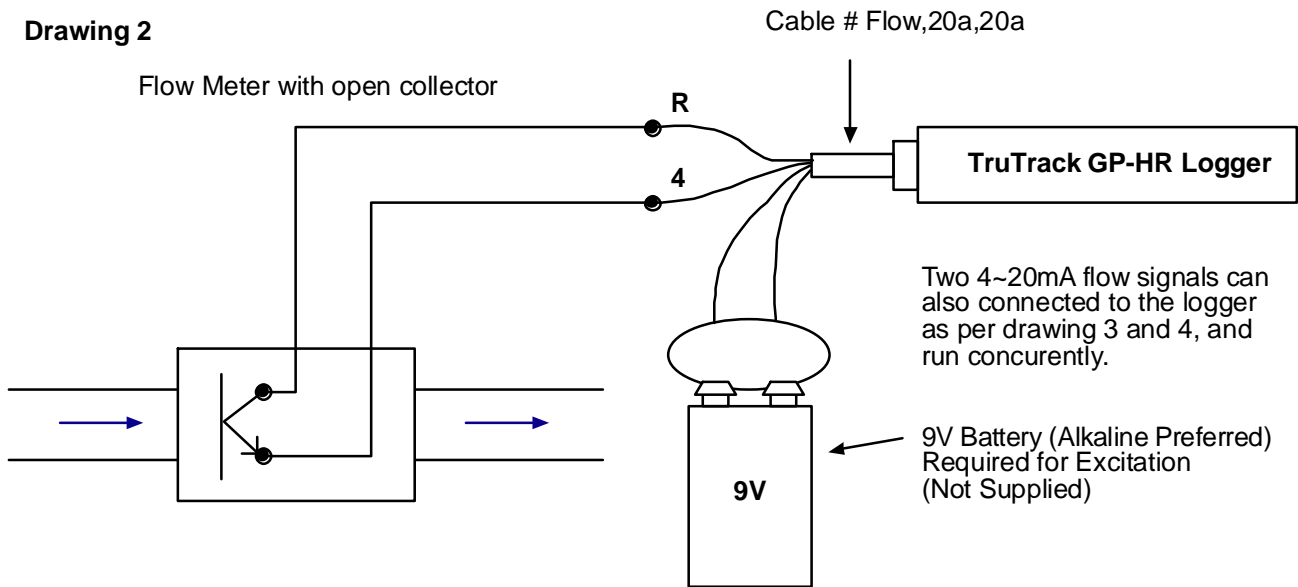
- Report Start Date/Time:** 18/03/2001 00:00:00
- Report Finish Date/Time:** 14/02/2002 07:30:00
- Reporting Period:** Weekly (selected)
- Report Channel:** Flow l/hr (selected)
- Units required for Totalised Volumes:** US Gallon (selected)
- Totaling Type:** Accumulated Totals (selected)
- Buttons:** Preview, Print, Cancel

Flow Meter Connections Examples

Drawing 1

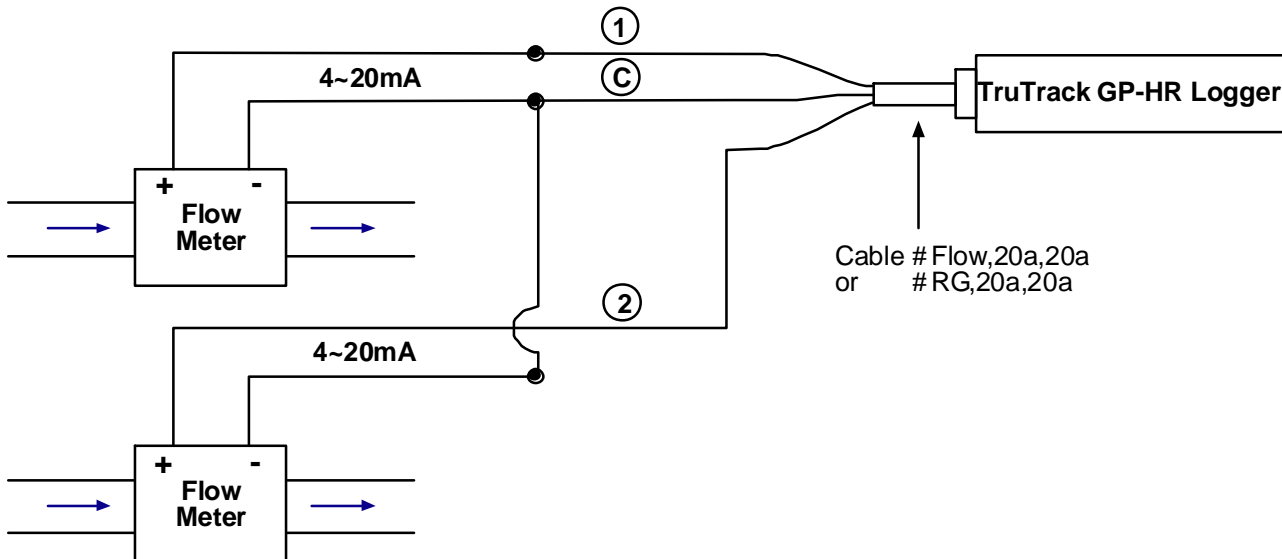


Drawing 2

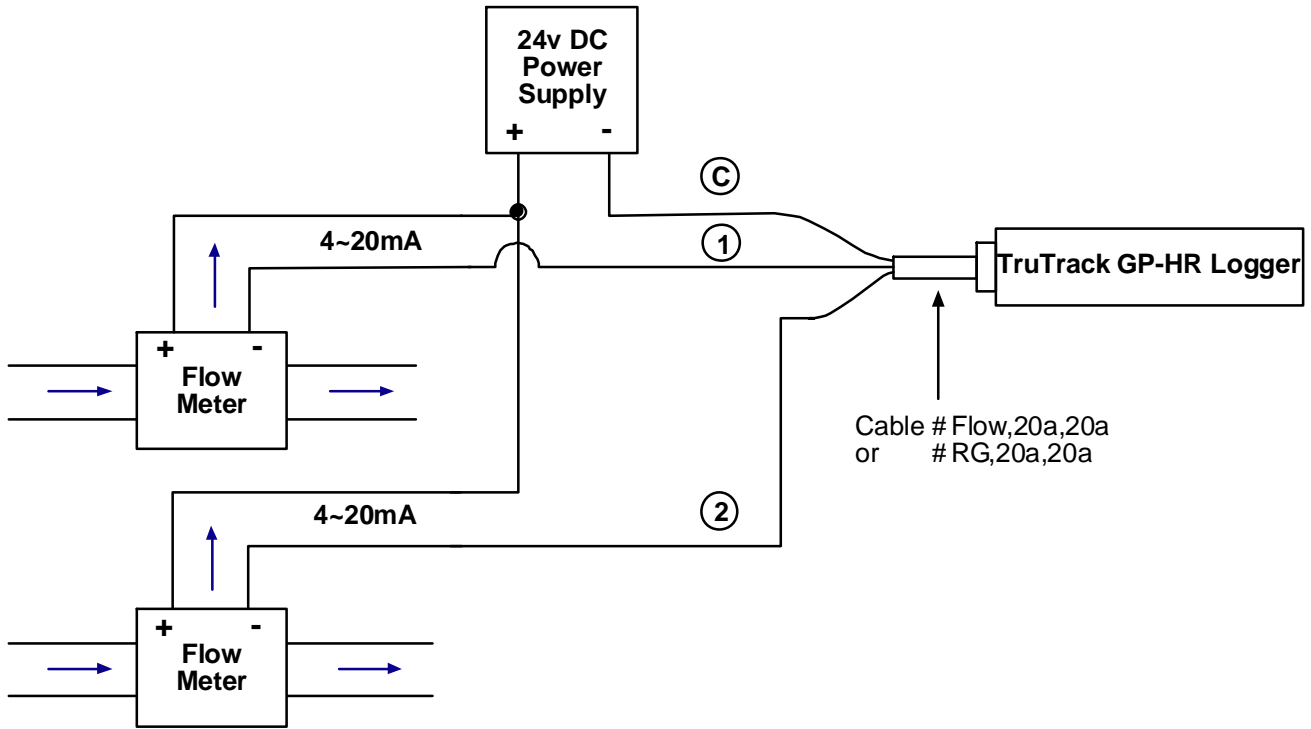


Drawing 3

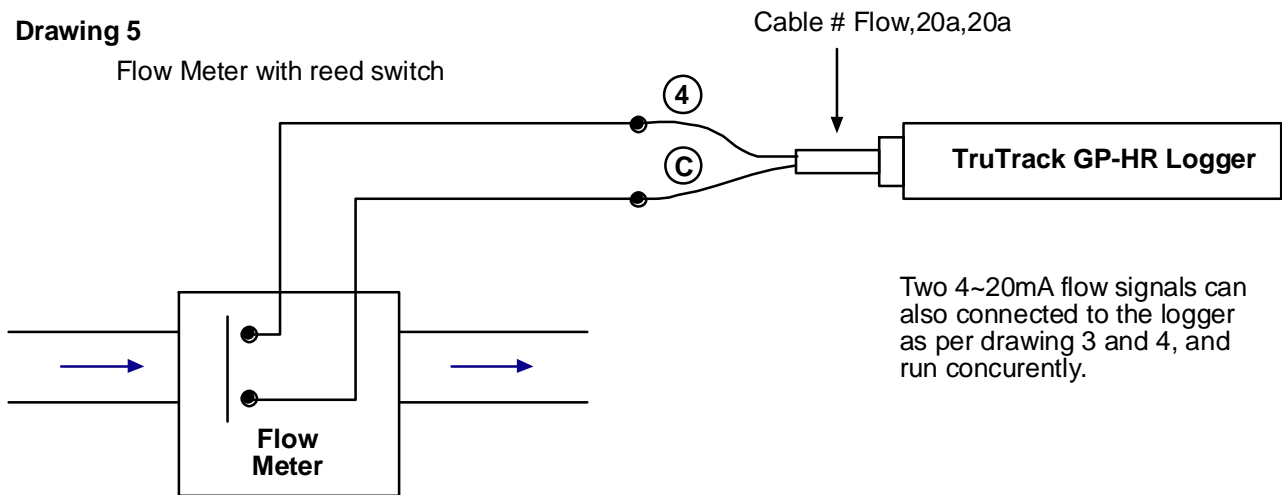
Example of Flow Meters with 4~20mA output where the 4~20mA loop is being driven by the Flow Meter



Drawing 4 Example of Flow Meters with 4~20mA output where the 4~20mA output needs to be powered



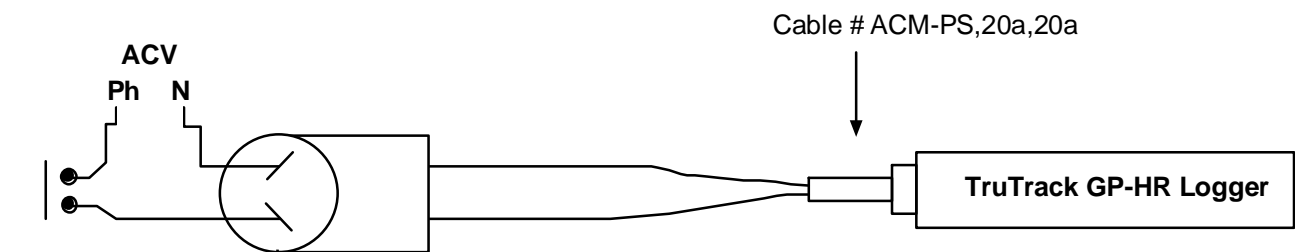
Drawing 5
Flow Meter with reed switch



Two 4~20mA flow signals can also be connected to the logger as per drawing 3 and 4, and run concurrently.

Drawing 6

Example of connection to the "Pump Run Contact" using the "ACM-PS,20a,20a" Logger input cable to determine flow based on pump run time. (Standard = 230v AC. Other AC voltages and frequencies available on request.)



Pump run contact

Two 4~20mA flow signals can also be connected to the logger as per drawing 3 and 4, and run concurrently.