

**Ref: FAQ0050****Version: 1.0****Title – Imperial unit flow meters****Made By: AB 14/07/14****(Issue 1)**

## **Question – Handling older imperial unit Water and Gas meters where Imperial unit option is not available during the logger configuration**

First decide how you want to view the Data in HWM Online – the limitations are as follows -

1. Viewing in Imperial units – this can be done but the meter readings will have the decimal point in the wrong place.
2. Viewing in Metric units – this can be done but the meter readings will not be correct

### **1. Viewing in Imperial units –**

Set the logger flow channel to 1 for a meter output of 1 cu ft per pulse or 0.1 for 10 cu ft per pulse – do this either directly on installing the logger or by using the edit logger feature in HWM Online.

Go to the logger in Datagate and change the logger channel units to 'Gas Flow Ft<sup>3</sup>' (or whatever axis markers you want to see on HWM Online graphs)

For a 0.1 cal (10 cu ft per pulse) enter the meter reading into the logger by dividing the actual meter reading by 1000.

To view the meter reading on the HWMO graph divide the reading by 1000.

### **2. Viewing in Metric units -**

Set the logger flow channel to 0.000 either directly on installing the logger or by using the edit logger feature in HWM Online.

Go to the logger in Datagate and apply a Calibration conversion factor to the logger channel to convert from Ft<sup>3</sup> to M<sup>3</sup> as follows -

Cal factor 0.0283168 for meter output of 1 Ft<sup>3</sup> per pulse or 0.283168 for 10 Ft<sup>3</sup> per pulse. Set the logger channel units to 'Gas Flow M<sup>3</sup>' (or whatever axis markers you want to see on HWM Online graphs)

Note- in this instance the meter reading cannot be used.

### **Document History:**

<b>Edition</b>	<b>Date of Issue</b>	<b>Modification</b>	<b>Notes</b>
First	14/07/14	Release	