

Agua-Tek- Lime Tree Business Park - Lime Tree Road - Matlock - Derbyshire - DE4 3EJ  
Tel: 01629 343013 - [www.agua-tek.co.uk](http://www.agua-tek.co.uk)



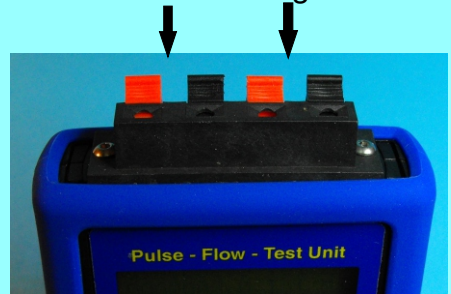
The PTU flow cable test unit is battery powered using a PP3 9volt battery.

This is located and replaceable by removing the protective rubber boot gaining access to the battery compartment cover on the back of the unit. Agua-Tek recommend the Duracell brand of battery

The LCD display can be set to show flow rates and total volumes



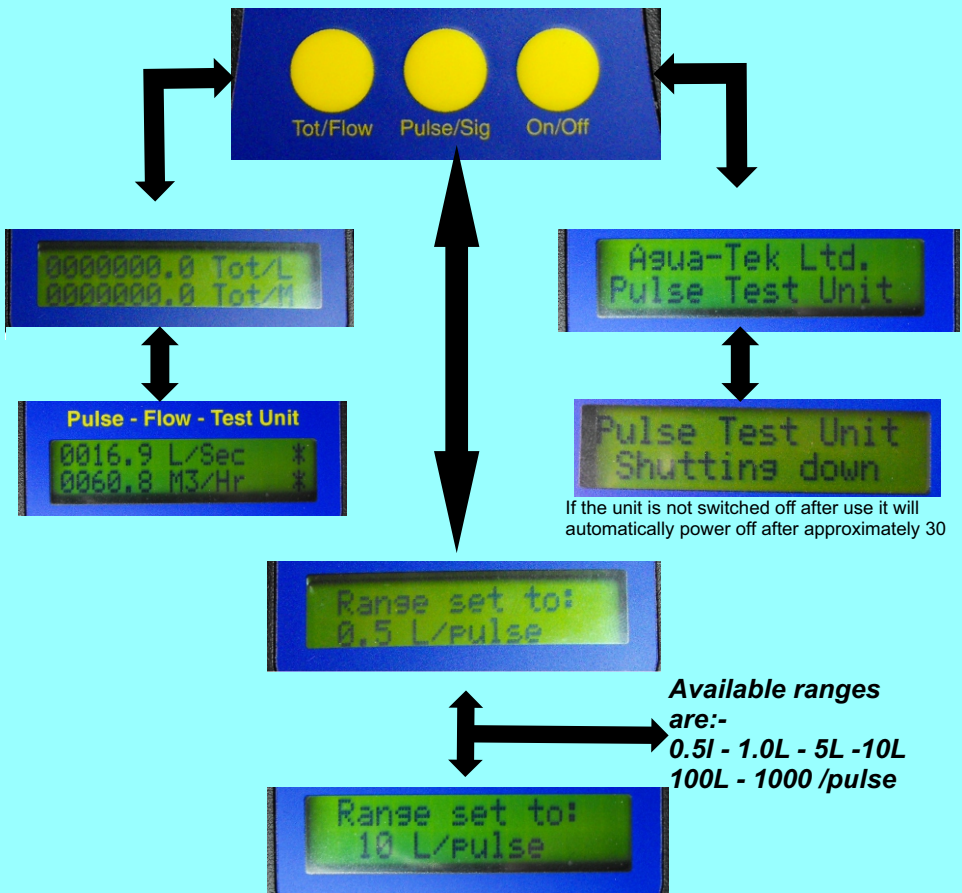
The quick insertion connectors allow bare wire testing of cables



The unit is fitted with the most popular data logger flow input connectors Radcom (Halma™) and Technolog™.

Additional adaptors for other logger manufacturers can be purchased. These are merely inserted into the quick fit connectors at the top of the unit.

## Flow diagram of multiple press button functions



### Please Note:-

*The unit is designed to give a flow rate based on pulses received during a 20 - 30 sec window. If only a single pulse is received during this window a zero flow rate will be displayed. However the volume Total will increment and display a volume using the Totaliser window.*

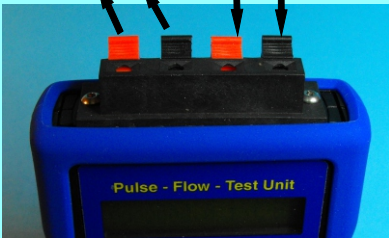
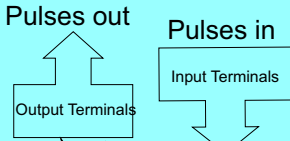
*Also note that if the flow ceases after approximately 20 -30 seconds the flow rate display will return to zero. However the Totaliser will maintain the recorded volume and increment again if the flow re-starts.*

**The Totaliser returns to zero on power down**

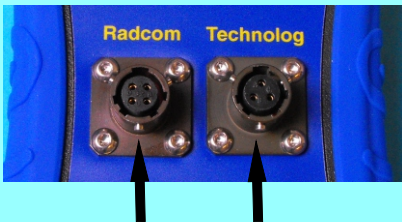
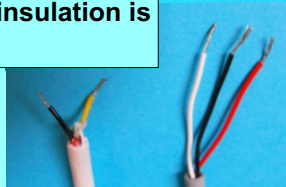
## QUICK FIT TERMINALS

located at the top of the unit allow bare wire / rag tail connection to flow sensors and flow input digital cables

The red & black terminals above the wording Pulse are the connections outputting a pulse



Ensure metal conductor and not sleeving insulation is gripped



Flow sensors can be connected by bare wire "Rag tail"



Alternatively on site flow sensors may already be fitted with data logger manufacturers connectors. These can be directly connected to the PTU



**Note:-**  
*Reed switch type sensors are usually tested using a magnet*



PG100 fitted in position.



## Firmware Updates

From time to time additional functions will be added to the PTU

### **Auto-Off adj.**

If the unit is left on and not in use the unit as standard switches off after 30 minutes. This can now be adjusted by entering the hidden menu. This is found as follows:-

With the unit switched Off, press and hold the **Tot/Flow** button and power the unit on with the **On/Off** button. The **Auto-Off adj** menu will be displayed and can be set in periods of 1 minute increments or "Disabled". Once set press the **On/Off** button to exit menu and return to normal operation. Adjustment of the settings is by using **Tot/Flow and Pulse/Sig buttons as - and +**

### **Contrast adj.**

This hidden menu is entered by switching the PTU on whilst holding the **Pulse/Sig** button depressed. The display contrast is then altered as above using the **Tot/Flow** and **Pulse/Sig** buttons as + and - buttons. Once set as desired depress the **On/Off** button to return to normal operation.

### **Pulse freq. adj.**

Standard pulse output is 1 per sec.

This can be altered by entering the hidden menu by holding depressed both the **Tot/Flow** and **Pulse/Sig** buttons whilst powering the unit On. This allows the following pulsed outputs:-

- 1 pulses per sec**
- 1 pulses per 10 sec**
- 1 pulse per 20 sec**
- 10 pulses per sec**

The pulse output is then altered as above using the **Tot/Flow** and **Pulse/Sig** buttons as + and - buttons. Once set as desired depress the **On/Off** button to return to normal operation.