



HYDRANT FLOW METER QUICK REFERENCE GUIDE

Connecting

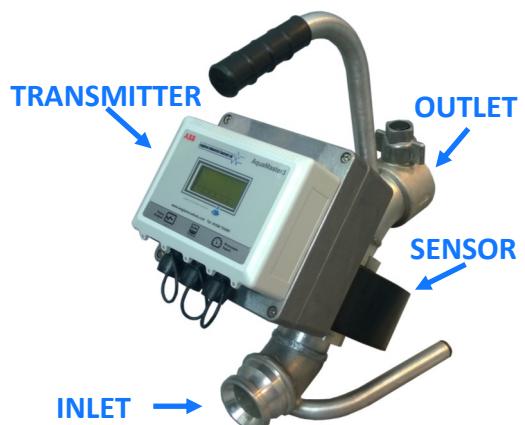
- Attach the Hydrant Flow Meter INLET to the hydrant. For the Vertical Standpipe Flow Meter ensure that the rubber seal is located correctly and in good condition.
- If required, attach a hose into the OUTLET of the Hydrant Flow Meter taking care to ensure that the rubber seal, located in the instantaneous female connectors are in place.

LHM200

Vertical Standpipe Flow Meter



LHM100
Horizontal Hydrant Flow Meter



Taking a reading

- To turn the light activated display of the transmitter on, simply cover the screen with your hand for 2 seconds and remove. At night you may need to use a torch. The transmitter is looking for a sudden change in light to activate the display.
- Before taking a flow reading, allow the readout to settle for 30-60 seconds.

N.B. *The Hydrant Flow Meter is recording even when the display is off.
Please see reverse for additional features such as logging, pressure and pulse output.*

Disconnecting

- To disconnect the Hydrant Flow Meter after use, carefully depressurise the system before disconnecting
- Disconnect the meter by twisting the release clip of the female instantaneous OUTLET couplings.

Care Instructions

- Always clean the Hydrant Flow Meter thoroughly with fresh water after use.
- Check rubbers before use and replace when worn.

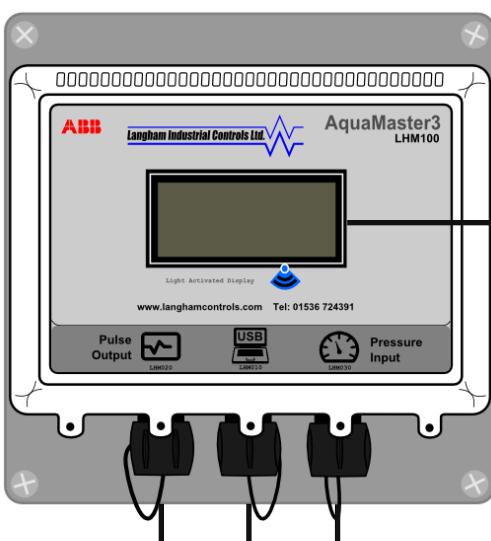
Safety

- This equipment should only be used by competent personnel with an understanding of water hydrants.
- Visually inspect the Hydrant Flow Meter prior to each use to ensure that it is in safe working order.
- Ensure that any debris is removed from the hydrant and carefully flush the bowl prior to attaching the Hydrant Flow Meter.
- Do not twist connections while under pressure.
- Operate valves slowly to reduce the risk of water hammer or damage to the system.

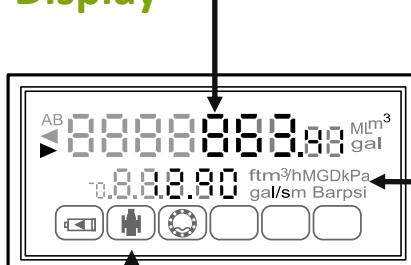


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Transmitter



Display



Upper Display

Forward Flow Total
Reverse Flow Total
Net Flow Total
Tariff Total
Date

Lower Display

Flow Rate
Pressure
Time

Warning Symbols

- Low Battery
- Sensor Failure
- Empty Pipe Condition

Battery compartment screws

Pulse Output



LHM020 : Pulse Cable (Bare End)

The pulsed output enables a logging device to be attached which can monitor forward flow pulses, reverse flow pulses and alarms.

Pulse cables can be supplied at a standard 1.8m length.

Pre terminated pulse cables can be supplied for the following logging devices...

Terminated Pulse cables

LHM020.201 : Radcom MultiLog/LoLog

LHM020.203 : Primayer XiLog/PrimeLog

LHM020.205 : *Technolog Cello/Metrolog

LHM020.139 : Palmer MAST/MAST II

* Mil spec variation only. (Brad Harrison currently not available)

Logging Data



LHM010 : USB Comms Cable

To change settings, program and read back the integrated LogMaster data logger and meter settings, a USB Comms cable can be attached between the meter and PC which is compatible with Windows XP, 7 & 8. To download LogMaster software please visit www.licwed.com/download

Modbus

LHM011 : Modbus Cable (Bare End)

The ABB AquaMaster supports Modbus over RS485 (2 wire [D0,D1]). Please visit www.licwed.com/download for registers.

Terminated Modbus cable

LHM011.315 : ATi NephNet

Pressure Input



LHM030 : Pressure Transducer

Record pressure simultaneously with flow by connecting a remote pressure transducer with 5m cable. The pressure transducer can be connected on the Series 21 push connector near the outlet of the meter or further upstream or downstream from the meter.

Batteries

LHM040 : Alkaline 'D' Cell Batteries

The Hydrant Flow Meter is powered by 8 standard 1.5V Alkaline 'D' Cell batteries, these can be supplied by Langham Industrial Controls or any reputable retail outlet. Typical battery life is 3-12 months depending on use.