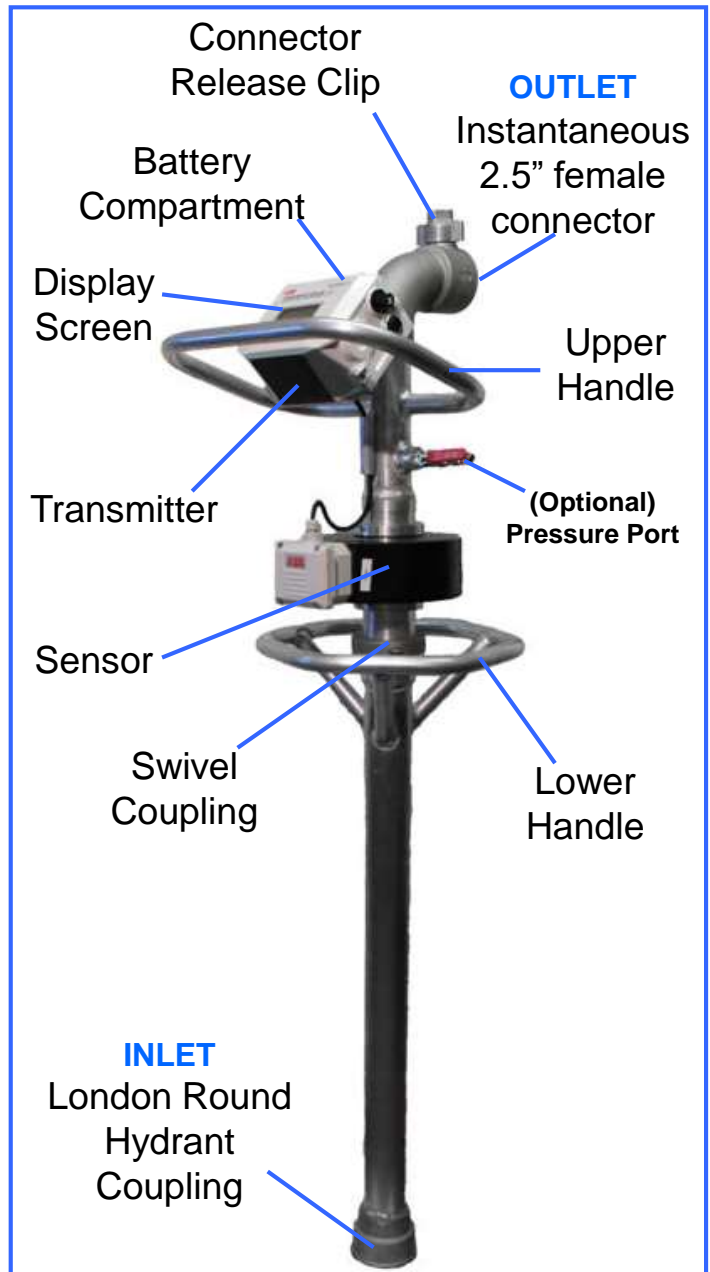




Vertical Standpipe Flow Meter QUICK REFERENCE GUIDE

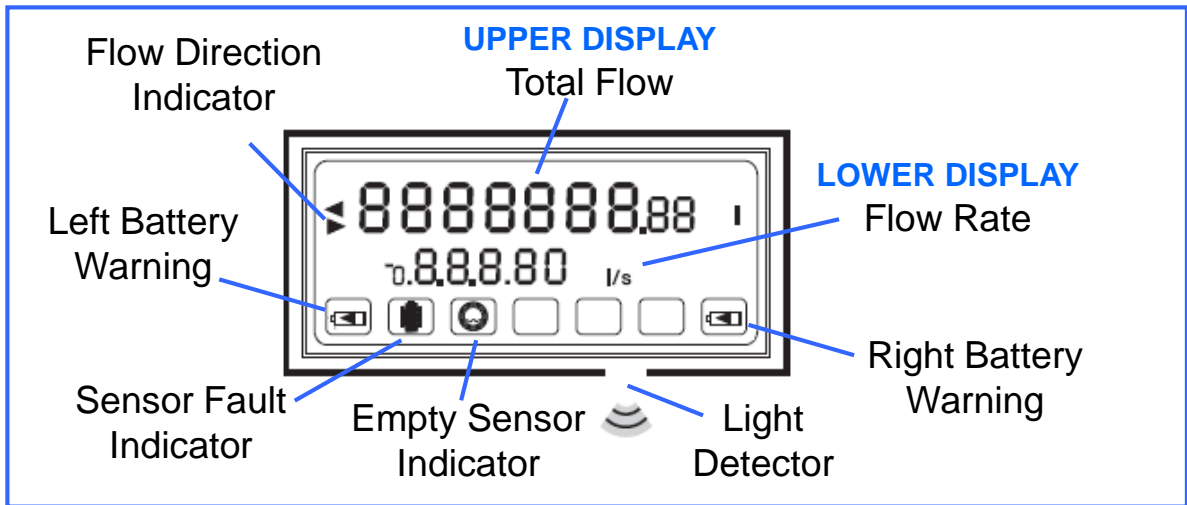
CONNECTING THE VERTICAL FLOW METER

1. Check that the rubber seals in the **INLET** and **OUTLET** couplings are correctly located and serviceable.
2. Holding the Vertical Standpipe Flow Meter at the lower handle, position the **INLET** coupling over the hydrant fitting.
3. Rotate the standpipe clockwise to screw it firmly onto the hydrant.
4. Using the upper handle, rotate the **OUTLET** to face the required direction, taking care not to use excessive force, and ensuring that the flow is directed safely.
5. If required, attach a hose into the **OUTLET** (female) end of the flow meter.
6. Ensure all connections are fully secured before use, and any hoses are suitably restrained.
7. Note that the sensor section of the flow meter must be full in order to work.
8. To disconnect the Flow Meter after use, carefully depressurise the system and then follow the above procedure in reverse.



SAFETY

1. This equipment should only be used by competent personnel with an understanding of water hydrants.
2. Visually inspect the Standpipe Flow Meter prior to each use to ensure that it is in safe working order.
3. Ensure that any debris is removed from the hydrant and carefully flush the hydrant bowl prior to attaching the Standpipe Flow Meter.
4. Be sure to open and close all valves slowly so as not to damage the system.
5. **DO NOT ROTATE THE TOP OF THE STANDPIPE WHILST IT IS UNDER PRESSURE.**



READING THE METER DISPLAY

1. The meter display is light activated. To switch the display on, briefly cover the whole screen with your hand. Alternatively, if the meter is situated in the dark, shine a light on the screen to activate it. The screen will automatically switch off after a preset time, but the meter will continue reading regardless of whether the display is active.
2. After activating the screen, wait for the flow rate to stabilise before taking a reading to ensure accuracy.
3. The **UPPER DISPLAY** indicates the total flow; the **LOWER DISPLAY** indicates the flow rate (both in units as indicated on the display).
4. In the case of a system error, the relevant warning symbol will appear along the bottom of the screen.

MAINTENANCE

Replacing the batteries: Specialist replacement lithium batteries can be ordered from Langham Industrial Controls Ltd. If one of the battery warning symbols appears, the corresponding cell should be replaced. If both battery warning symbols appear, first change the cell indicated by the steady icon, as the flashing icon indicates the battery currently in use. (Note: the flow meter can run on a single battery). Remove the panel of the battery compartment by loosening the four Phillips-head screws. Replace the cell on the side indicated, taking care not to remove the desiccant pouch from the battery compartment. Securely replace the panel, ensuring that the rubber o-ring is in place to create a water-tight seal and the battery cables are not trapped.

Technical Support: For all technical support, maintenance, calibration and spare parts, please contact Langham Industrial Controls Ltd.