



# Series 6600 : Positive Displacement Flowmeter

Legal Metrology model approved high precision flowmeters for liquid flow measurement



## Technical Specifications

<b>Sizes</b>	DN 06/15/20/25/40/50/80/100
<b>Flow range</b>	3 LPH to 60,000 LPH
<b>Accuracy</b>	±0.1% of reading
<b>Repeatability</b>	Better than ±0.1% of reading
<b>Maximum Operating Pressure</b>	40 bar
<b>Maximum Operating Temperature</b>	150 deg C
<b>Filter Mesh</b>	149 micron reusable SS mesh
<b>Display</b>	Built-in 8x2 dot matrix
<b>Display parameters</b>	Current Totalizer (resettable) upto 1 million litres Cumulative Totalizer upto 1 million litres Instantaneous flow rate
<b>Enclosure Mounting</b>	Integral/Remote mounted
<b>End connections</b>	Flanged – ANSI/ASME/JS/BS/DIN Screwed – BSPF/NPT
<b>Material of Construction</b>	Wetted parts – SS304/SS316/Aluminium LM04/Hastealloy C/Alloy 20  Piston – PEEK/Kynar/Ryton Seals – Nitile/Viton/Teflon
<b>Output Options</b>	<ul style="list-style-type: none"> <li>• RS485/Modbus RTU</li> <li>• 4-20 mA</li> <li>• Foundation Fieldbus</li> <li>• Pulse output</li> </ul>

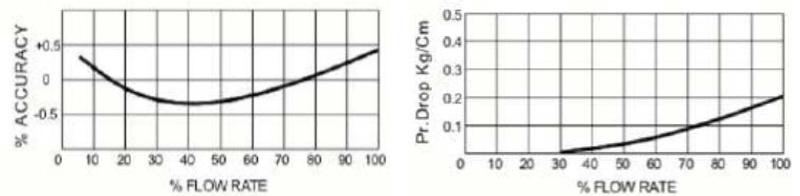
## Introduction

The Fluidyne P.D. flowmeters are based on the time-tested oscillating piston mechanism. A single moving component in the assembly ensures extremely reliable operation for long periods.

Use of state of the art solid state magnetic sensor, ultra-low powered electronics, provides for all the simplicity of a mechanical P.D. meter and the reliability of electronic sensing and read outs.

Fluidyne's Positive Displacement flowmeters do not require straight lengths or stable and laminar flow profiles because volume is directly measured and not inferred from flow rate in line.

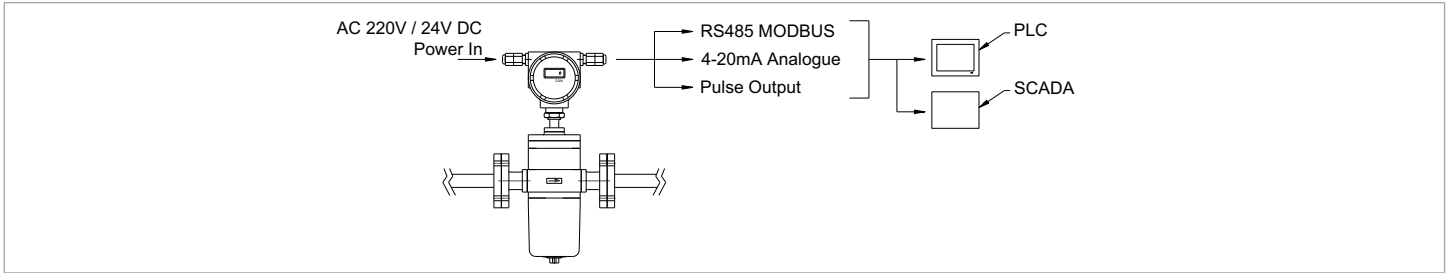
## Typical Accuracy and Pressure Drop Characteristics



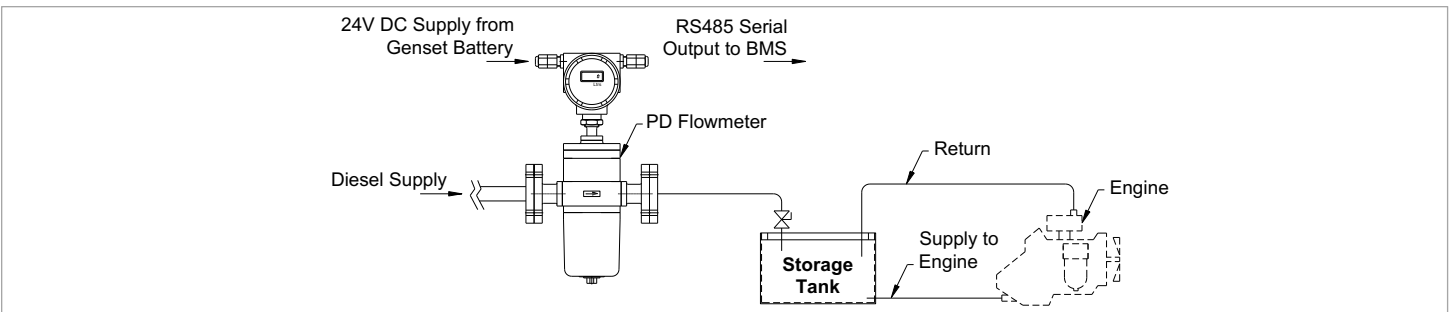
## Features

- Wide operating flow range of 3 to 60,000 LPH
- Flanged and threaded connections available
- Accuracy of ±0.1% of reading
- Low pressure drop allows gravity head operation
- Maximum operating temperature – 150 °C
- Maximum operating pressure of 40 bar
- Optional battery powered electronics
- Choice of ATEX certified explosion-proof and weatherproof enclosures
- Built-in 149 micron high capacity reusable wire mesh filter in SS304
- Constructed from materials such as SS316/SS304/Aluminium LM04 / Hastealloy/ Alloy20 to suit corrosive chemicals
- Useful outputs such as RS485/Modbus, Foundation Fieldbus, 4-20 mA, pulse out available for DCS and PLC integrations

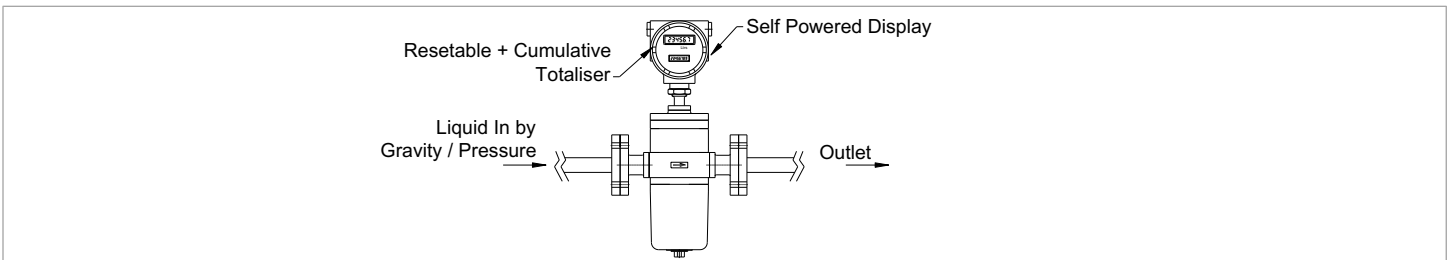
## Industrial Automation with Data Output on Modbus, 4-20 mA



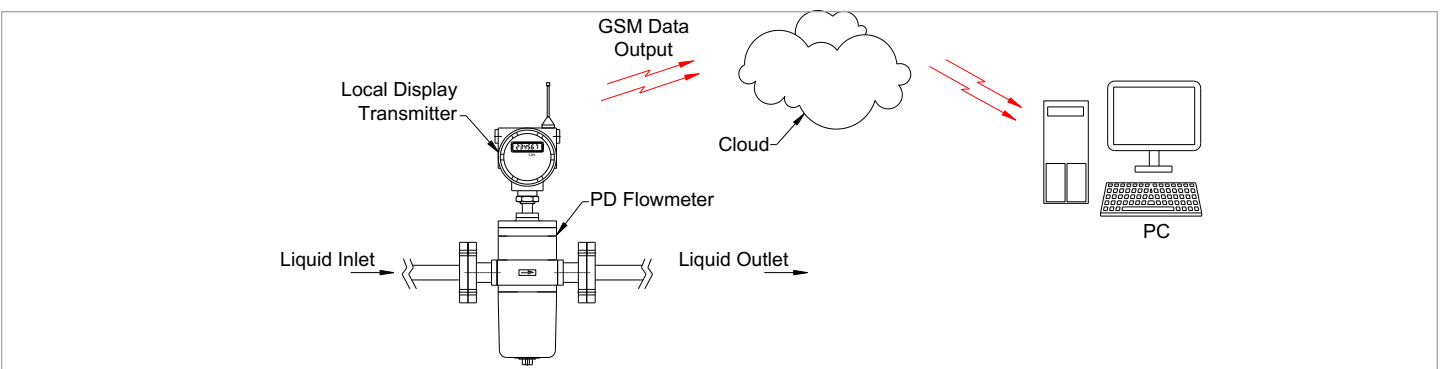
## Diesel Generator tank input flow measurement



## Gravity head flow with self-powered electronics



## Flow measurement with direct data transmission to FlowLog™ Cloud Service



## Flow measurement with remotely mounted display transmitter

