Series 6655: Differential Fuel Meter

The specialist for measurement of consumption in Generators, Boilers, Kilns, Furnaces and vehicles

Introduction

The Fluidyne Series 6655 Differential Fuel meter is a compact solution for independent measurement of inflow and outflow of liquid fuel for calculating the net consumption of Diesel Engines, Boilers, Kilns and Furnaces.

The Fluidyne time-tested method of Oscillating Piston type positive displacement flowmeters guarantee high accuracy and repeatability of net fuel consumption. The DFM comes with standard display, flow transmitter option to DCS and PLC for seamless automation.

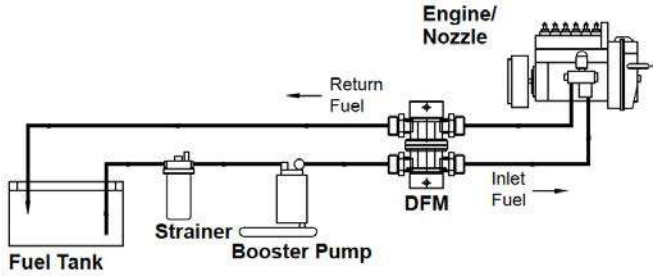
Features

- Two independent P.D. flow sensors with common transmitter
- Guaranteed accuracy of ± 0.5%
- No straight runs of pipe needed
- Low pressure loss of under 0.1 bar
- No risk of hunting/overspeeding
- Works with all light fuels and FO derivatives
- Works on gravity flow
- Ideal for reciprocating boiler fuel systems
- Transmitter Ex-option, IP66 standard
- Std output options – Modbus, HART

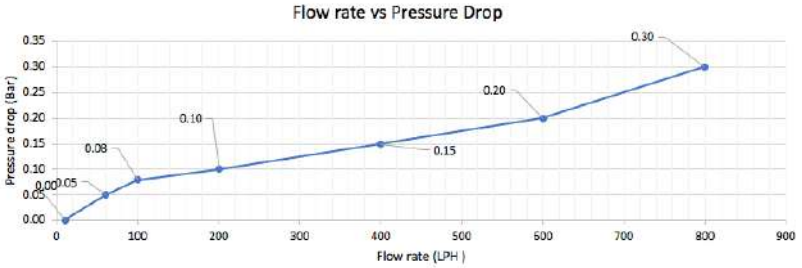
Technical Specifications

Variants	• DFM - 06 3-120 LPH • DFM - 15 12-600 LPH • DFM – 25 30-3600 LPH
Accuracy options	• ±0.5%, ±0.2% of reading
Service	• LDO/HSD/LKO/HFO/LSHS
Power Supply	• 24 VDC / 85-305 VAC/Self powered
Display Parameters	• Totalizer - Inflow / Outflow / Net (Non Resettable) • Rate Inflow / Outflow / Net
Materials	• 316L SS (CF3M) Body • PEEK rotor • Viton elastomers
Output Options	• Modbus RTU • 4-20 mA HART
Engine Capacity	• DFM 06 – 7-100 HP • DFM 15 – 50-600 HP • DFM 25 – 500-3000HP

Installation



Typical performance curve



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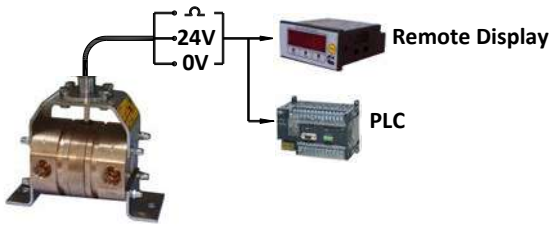
Application Variants

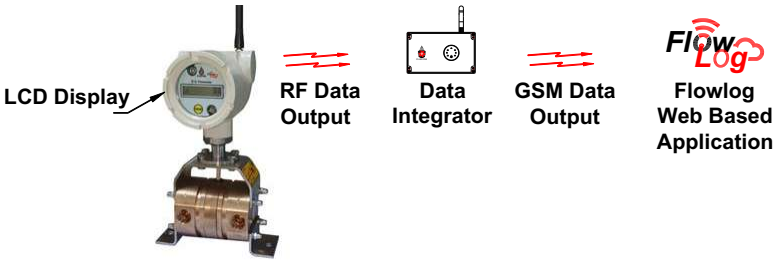
Pulse Output



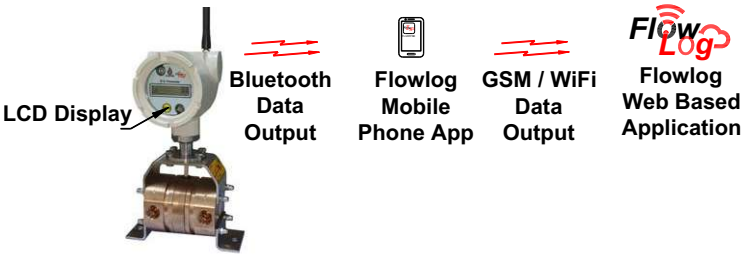
Self Powered Display

DC Powered Display + Rs485 MODBUS Serial Output

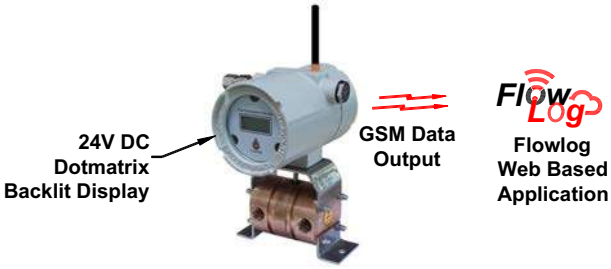
Self Powered Display + RF Data Output



Self Powered Display + Bluetooth Data Output



DC Powered Display + GSM Wireless Data Output



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