



Series 66X0: Fuel Consumption Meter

Compact, light-weight and accurate flowmeters for liquid fuel measurement applications



Introduction

The Series 66X0 are fuel consumption meters for measurement of fuel consumption in engines, boilers, furnaces and also compressors. Its wide operating range makes it suitable for engine rating upto 1200 kVA. The flowmeter works on the direct method of consumption measurement wherein the return line of the engine is routed through the flowmeter outlet manifold to the main suction line.

Features

- Single flowmeter for direct consumption measurement
- Accuracy $\pm 0.5\%$ of reading
- Standard hose connectors for connection in the fuel system
- Sturdy mounting brackets to withstand vibrations
- Weatherproof and Flame proof enclosure for display transmitters
- RS485 Modbus serial output or GSM wireless output optional
- Can be directly linked to Fluidyne's Flowlog Cloud base web application

Technical Specifications

Size and range	6650 – DN15 – 8-600 LPH/100-650 kVA 6670 – DN25 – 30-3000 LPH/700-1200 kVA
Metrological data	Accuracy – $\pm 0.5\%$ m.v., <i>Option – $\pm 0.25\%$</i> Repeatability – Better than $\pm 0.02\%$
Power Supply	DC 18-26 V / AC 85-275 VAC 47-63 Hz / 3.3VDC self powered options
Design Temperature	Integral display - 80 deg C Remote display - 150 deg C
Design Pressure	10 bar
Materials	Sensor – Aluminum LM04 BS1490 Piston – PEEK Elastomers – FKM/BUNA-N
Output Options	Modbus/RS485 4-20 mA, HART GSM wireless
Connections	Std. BSPF, Option. NPTF Inlet – 1/2 inch BSPF, Outlet and return – 1 inch BSPF
Mounting	2 nos. Holes for 12 mm fasteners

Applications

- Diesel/Fuel Generators
- Compressors
- Marine engines
- Boilers
- Furnaces

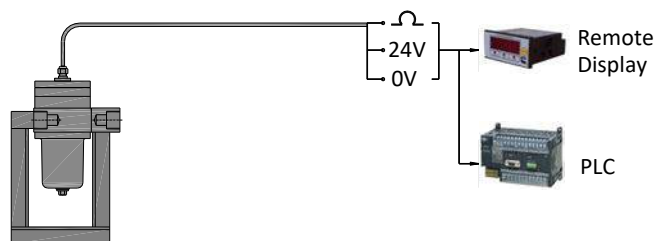
Fuel Suitability

- Diesel variants – HSD, LDO and others
- Blended fuels – Motor spirit, Ethanol, Gasoline
- Hydrogenated vegetable oil
- Black oils – HFO, LSHS

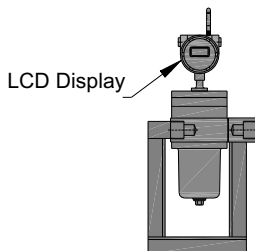
Application Variants

Output Options:

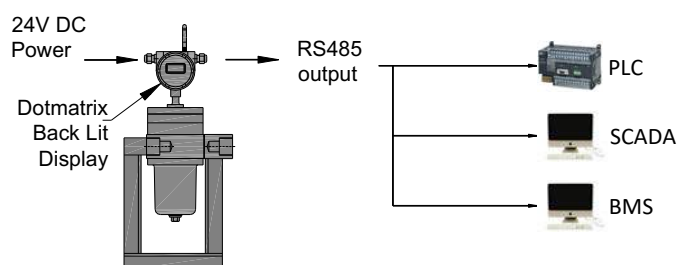
Pulse Output



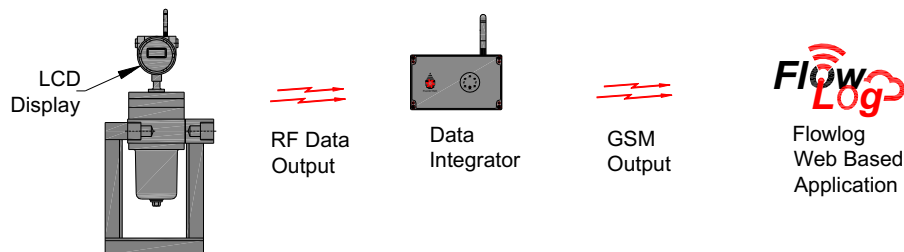
Self Powered Display



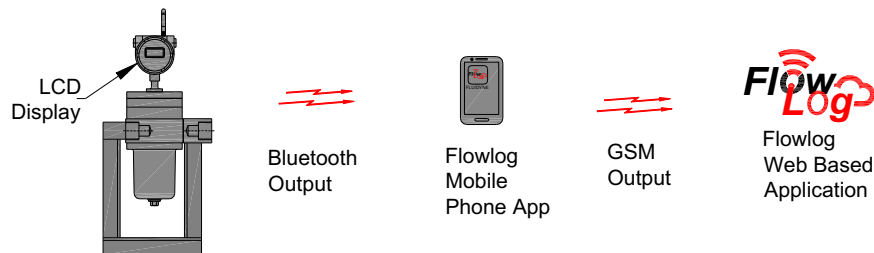
DC Powered Display + RS485 Serial Output



Self Powered Display + RF Data Output



Self Powered Display With Bluetooth Data Output



DC Powered Display + GSM Wireless Data Output

