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Smart Fuel Flow Meter With Printer (CE-151)

We are pleased to introduce our new “ACHIEVERS” flow meters kerosene or any slightly viscous non corrosive liquids; this is reset type digital flow meters.

Application

Fuel Flow meter is a kind of positive displacement meter to measure the liquid flow or instantaneous flow of the pipe tube. It is a kind of accumulate meter. With characteristics of high accuracy, small change by the fluid viscosity, it is widely used to measure fuel kind liquid, forbidden to measure corrosive Liquid.



Working Principle

The measurement part of Fuel flow meter is posed by two elliptical gears mesh with each other and its shell (measuring room). The figure shows that the flow meter works by two elliptical gears to mesh with each other, its working process are as follows: P1 in the figure shows the pressure of liquid from inlet side, to show the outlet pressure, the bottom rotor has no rotating torque even it effected the liquid pressure, but the above gears will move by the rotating Pressure .*In the status of the above gears driving gear, and the bottom gear is driven Gear. Both of these two gears have rotating torque by the liquid pressure, and they move with the direction of the arrow to space* The gear space is opposite to, the bottom gear is driving gear, and above gear is driven gear. The bottom gear pushes the liquid out from the half-moon space under the liquid press pushes liquid volume four times of “measurement Room”. So, as long as the rotation of gears, the liquid volume can be counted.

Features

- **DISPLAY TOTAL FUEL PASSED**
- **CURRENT FUEL RATE SETTING**
- **CALCULATE FUEL PRICE**
- **PRINT FUEL RECEIPT**
- **BATTERY BACK-UP**
- **GET LOG-FILE IN USB PEN DRIVE**

TECHNICAL DETAILS : -

Model	CE-25	CE-40	CE-50
Inlet and Outlet	25mm / 1”	40mm / 1.5”	50mm / 2”
Flow range	20-120lpm	25-250lpm	30-300lpm
Accuracy	±0.5%	±0.5%	±0.5%
Repeatability	<0.03%	<0.03%	<0.03%
Max working pressure	3.4Mpa	1.8Mpa	1.8Mpa
Max viscosity	1000CPS	1000CPS	1000CPS