



Achievers



# ACCURATE SOLUTIONS FOR FLOW MEASUREMENT

- INDUSTRY LEADER
- OVER 5 YEARS OF EXPERIENCE
- EFFICIENT AND DURABLE PRODUCTS
- WIDE RANGE OF SELECTION



## CE - 121

# ACHIEVERS FUEL CONSUMPTION METER

Fuel Consumption Meter is designed uniquely for Diesel Generator and Diesel Engine Fuel Consumption. It has proven as being a solitary answer for checking the fuel consumption of the engines. Coordinated with two separate flow sensors, one for the record of diesel input and other for return yield, this digital consumption shows the flow of fuel to and from the motor with high precision. At last the consumption of the motor is furnished with a smaller scale controller based show that precisely measures the differential of both flow sensors. For interfacing, the unit with a 220V AC/ 12/24V DC powered LCD show with RS 485 serial yield is a perfect arrangement.

## Features

- Indicates Total Fuel Consumption
- Indicates Total Fuel Supply to the Engine
- Indicates Total Fuel Return From the Engine
- Indicates Total Fuel Used by Engine
- Indicates Stock Fuel left
- Suitable With Almost All Diesel Engines
- Can be Operated by Onboard DC 12V/24V DC Supply from Vehicle
- RS 485 Modbus Output Available (Optional)
- Can be Connected to Server for Remote Data Monitoring



## Flow Sensor and Fuel Calculator

- Flow Sensor : Positive Displacement Meter
- Flow Sensor Material : Aluminium Anodize
- Accuracy (Standard Installation Position) :  $\pm 1\%$  RS OR 0.1% FSD
- Display : In Flow, Out Flow, Used Fuel and Stock Fuel.
- Output : OPTIONAL : RS-485.
- Backlit Display for easy reading in dark conditions

# Applications

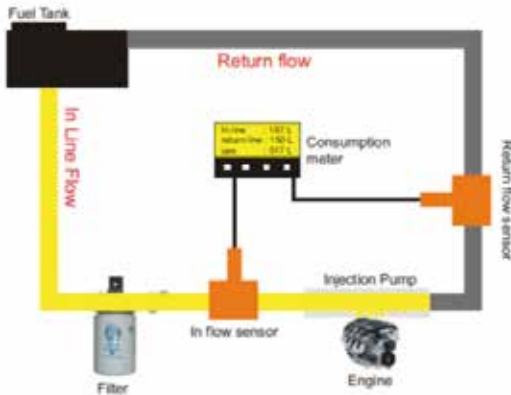
Exceptionally dependable and precise fuel consumption measurement in trucks, Tankers, Infrastructure what's more, Construction hardware, horticulture hardware, stream water crafts and diesel motor. It provides you an exact consumption of fuel to stop the robbery of fuel from the vehicle. CE-121 Offers accurate fuel consumption in wide range of commercial vehicles.



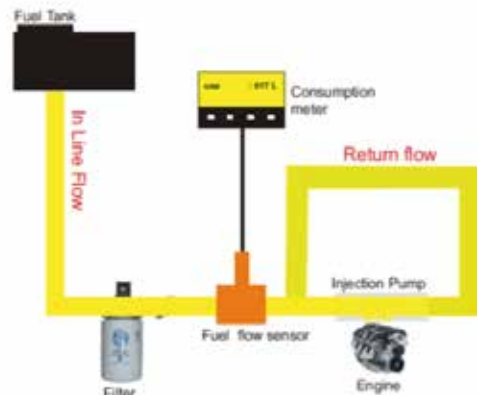
## Sensor Selection Guide :

| Flow Sensor Model | Flow Sensor Size | Engine/Generator Rating (HP/KVA) |
|-------------------|------------------|----------------------------------|
| CE-121-006        | 1/4" Thread      | up to 200 KW/KVA/HP              |
| CE-121-008        | 3/8" Thread      | 200 TO 400 KW/KVA/HP             |
| CE-121-012        | 1/2" Thread      | 400 TO 1000 KW/KVA/HP            |
| CE-121-015        | 1/2" Thread      | 800 TO 1000 KW/KVA/HP            |
| CE-121-020        | 3/4" Thread      | 1000 TO 1500 KW/KVA/HP           |
| CE-121-025        | 1" Thread        | 1500 TO 2000 KW/KVA/HP           |

## Installation Guide :



Two fuel sensor system










One fuel sensor system

## Display Technical Details :

|                                      |  |                   |                             |
|--------------------------------------|--|-------------------|-----------------------------|
| Model                                | CFC-L100                                   |                   |                             |
| Display                              | 128 x 64 Bit Graphical LCD                 |                   |                             |
| Size                                 | 96 (H) X 96 (W) X 55 (D) mm                |                   |                             |
| Panel Cutout                         | 92 X 92 mm                                 |                   |                             |
| Input                                | NPN Proxi                                  |                   |                             |
| Total flow Range                     | 0-99999.99                                 |                   |                             |
| Flow Rate                            | 0-999.99 (DP Autoshift )                   |                   |                             |
| Output                               | MODBUS(Optional)                           |                   |                             |
| Power Supply                         | 9V to 36V DC                               |                   |                             |
| Protection Level<br>(As per request) | IP-65(Front side) AS per IS/IEC 60529:2001 |                   |                             |
| Operating Temperature                | 0° C To 55° C                              | Relative Humidity | Up to 95% RH Non Condensing |
| Accuracy                             | 1% of FSD                                  |                   |                             |

## Key Operation :

- 1) Press  Key or  key to go to the parameter setting.
- 2) Press  Key to save parameter.
- 3) Press  or  or  key to change value or to select option.
- 4) Press  Key to return to the menu without saving the parameter.

## Calibration Details :

- Pulse/litre written on each sensor body
- Calibrated with pure diesel.
- Each Sensor Calibrated at three different pressures 0.5 bar, 4 bar, and 25 bar.
- All pressure calculate pulse/litter at : 25%, 50%, 75% and 100% flow range

## CONTACT US



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## Some of Our Clients