

# **Fuel Consumption Monitor & Genlog**

**Cummins Sales & Service (I) Ltd.,**

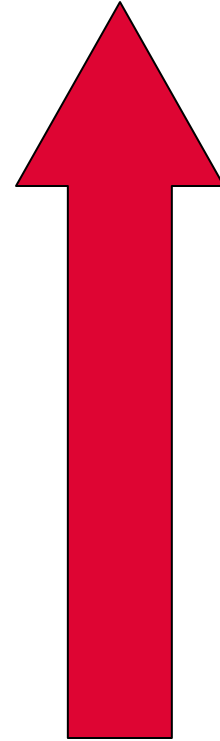


**Sales and  
Service  
India**

# Crude Oil

# 145 \$ / Barrel

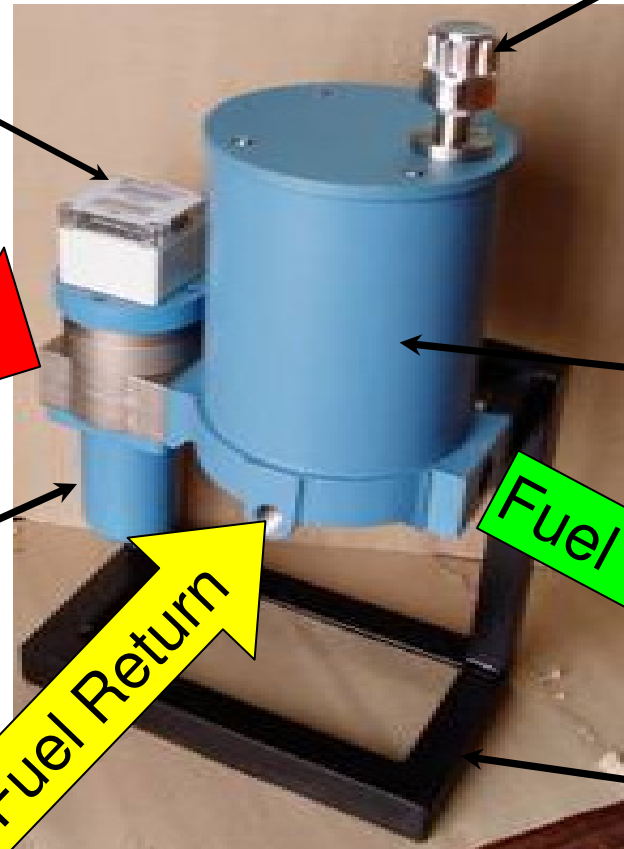
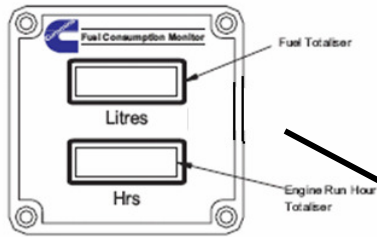
***Likely to increase in future***



First step towards saving is to measure. If we can accurately measure the fuel consumption then we can step ahead to save Gods precise gift.

# FCM :- (Components)

Flow Indicator



**Breather**

**Air saperator unit**

**Fuel Inlet**

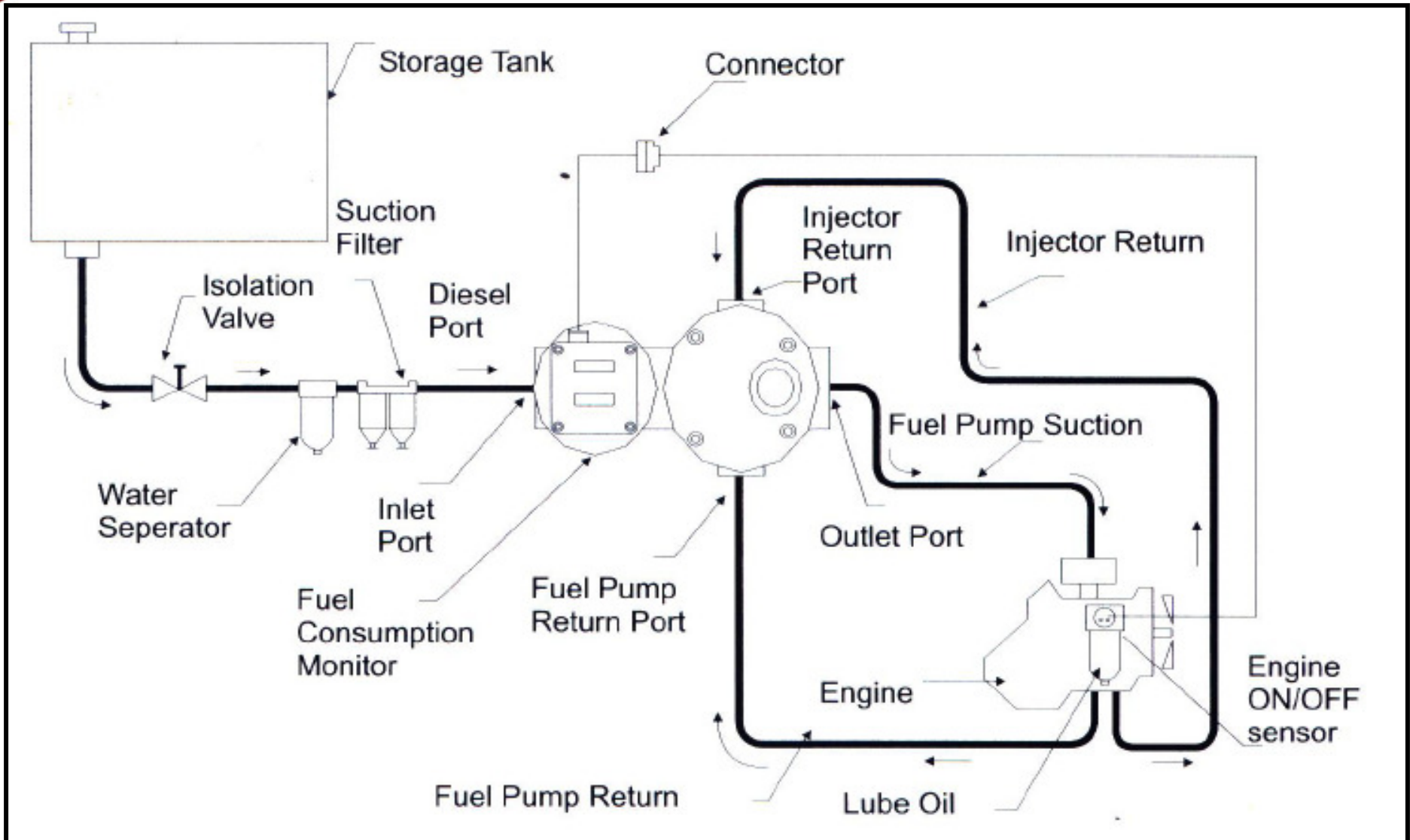
**Fuel outlet**

**Fuel Filter**

**Fuel Return**

**MS Frame**

# FCM :- (Connection diagram)



## FCM :- (Features)

- **Compact fuel flow measuring system**
- **Monitoring the net fuel consumption**
- **Used with stationary equipment**
- **Accounting the return fuel.**
- **Self powered Flow Indicator**
- **Accuracy +/- 0.5%**
- **Flow range 6-500 LPH**
- **HSD, SKO, LDO compatible**
- **Gravity head not required**
- **Self powered no external power**
- **Built in reusable filter**



# FCM :- (Specification)

- **Flow Range:** 6 - 500 LPH
- **Accuracy:** +/- 0.5% of reading
- **Service:** HSD / SKO / LDO
- **Op. Temperature:** 0 - 70 °C
- **Display:** 8 digit LCD display
- **Fuel Totaliser :** 0 - 9999999.9 Ltrs.
- **Engine Run Time:** 0 - 999999.99 Hrs.
- **Filter Element:** 25 Micron Replaceable
- **Power Supply:** Lithium Battery. 5 Years Life.
- **Mounting:** MS fabricated frame
- **Pressure Drop:** <1" of Hg at 500 LPH on Diesel
- **Scope:** 15 - 1500 HP Engines

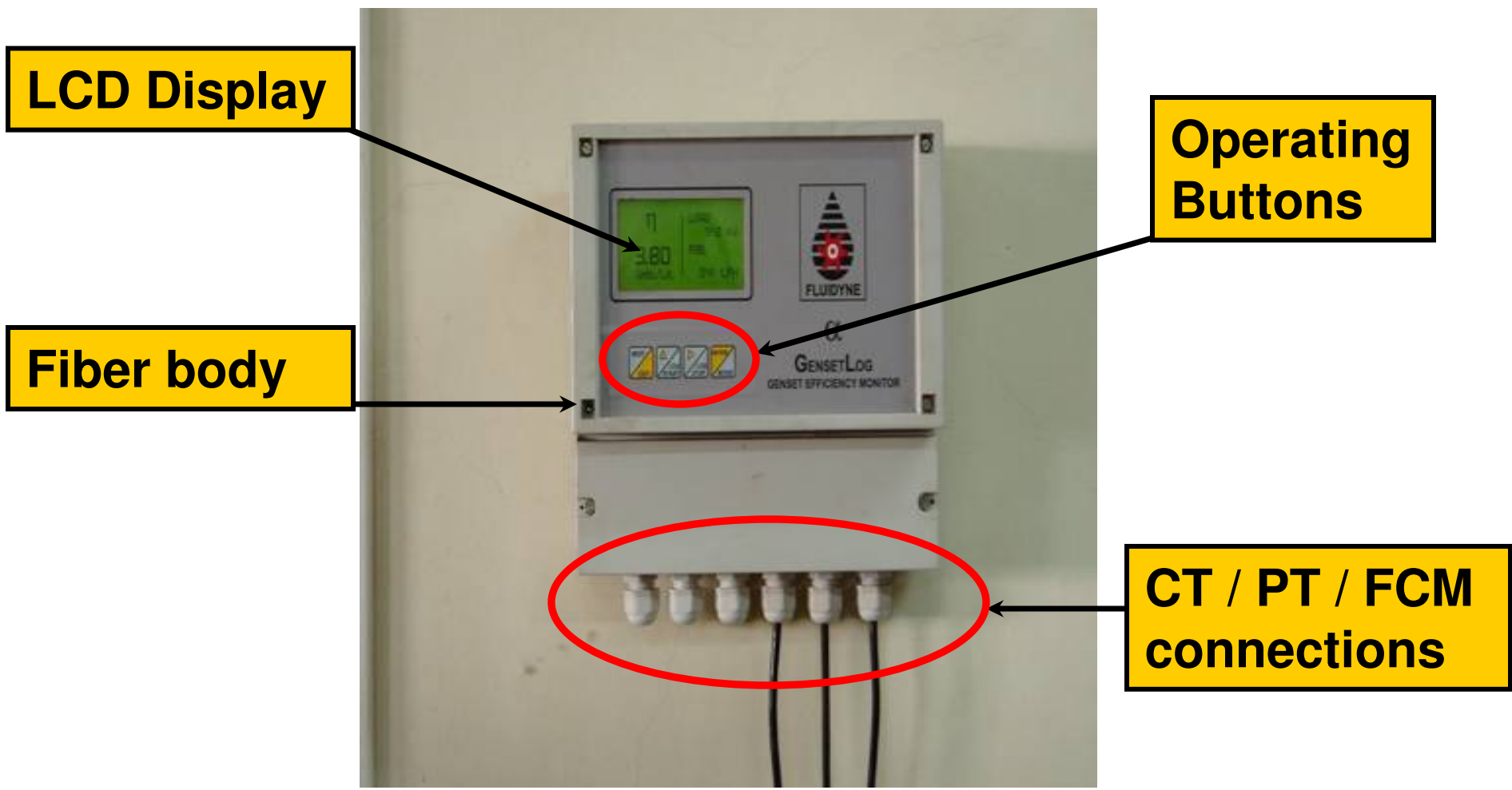


## FCM Part Numbers:-

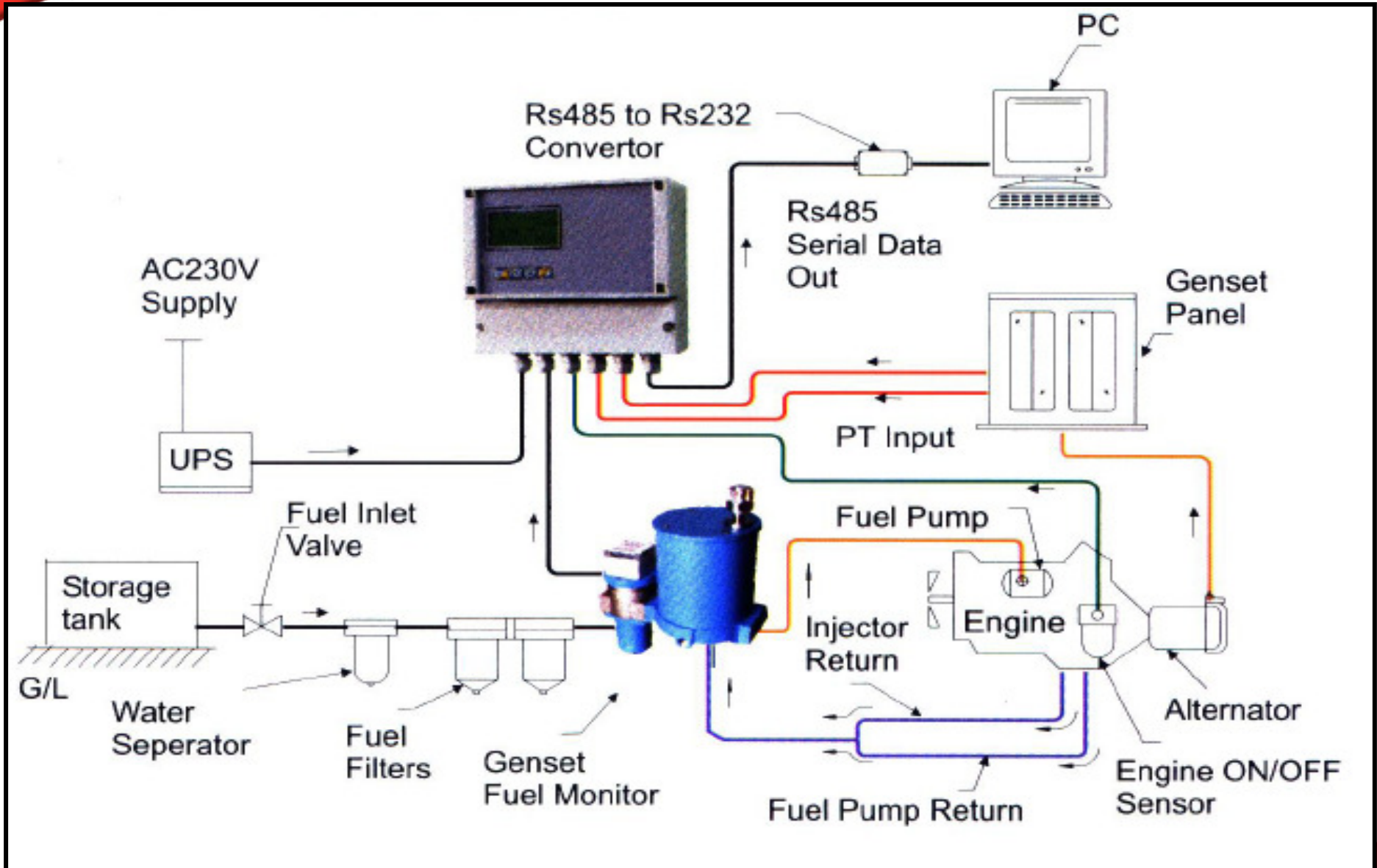


<b>Part No</b>	<b>Description</b>
AX1006411	Fuel Monitoring Kit
<b>Includes the following parts</b>	
AX1006412	Monitor Fuel Consumption
AX1006413	Sensor Engine On/ Off
AX1006414	Brass End Fittings

# Genlog :- (Components)



# Genlog :- (Connection diagram)



# Genlog:- (Features)

- **Microcontroller based measurement concept**
- **Measures fuel consumption and power output**
- **Genset efficiency in Units/Liter**
- **Data transmission using RS485**
- **PC interfaces with 'Genset Fuel Monitor'**
- **For 50-2000 KVA Gensets.**
- **Built in Energy Transducer for energy measurement.**
- **Reset able & cumulative tanzalizer in Units/Liter.**
- **Interface to Engine ON/OFF Transducer for run hrs.**
- **Logged data in Excel format.**



# Genlog :- (Specification)

## ➤ Accuracy

- Flow Measurement:  $\pm 0.5\%$  of reading
- Energy Measurement  $\pm 1.0\%$  of reading

## ➤ Display

- Efficiency : 9.99 Unit/Liter.
- Load : 9999 kw.
- Fuel Rate : 999 LPH
- Units Totaliser : 9999999.9 KWH
- Fuel Totaliser : 9999999.9 Liters.
- Hrs. Totaliser : 999999.99 hrs.
- Real Time : DDIMMIYY Date./ HH/MM/SS Time.

## ➤ Inputs :

- Fuel Flow Signal from Fuel Monitor.
- CT/PT Input from Genset Panel.
- Genset ON/OFF Signal from Engine ON/OFF Transducer.

## ➤ Communication :

- RS485 Communication link to PC.

## ➤ PC Report :

- Genset Daily Log Report in Excel format

## ➤ Scope:

- For Diesel/LDO Powered Gensets- 50-2000 KVA Capacity.



## Genlog Part Numbers:-



<b>Part No</b>	<b>Description</b>
AX1006415	Genlog Kit
<b>Includes the following parts</b>	
AX1006413	Sensor Enigne On/ Off
AX1006414	Brass End Fittings
AX1006416	Genset Efficiency Monitor
AX1006417	FCM with pulse o/p
AX1006418	RS 485 - RS 232 Convertor
AX1006419	Precision CT class 1 with 5 mtr Wire
AX1006420	PT with 5 mtr Wire

**Thank you**