

# Series 6625 : Genset Efficiency Monitoring System

For Diesel /LDO Powered Gensets- 50-1500 KVA Capacity LT Systems



#### Introduction

The Series 6625: Genset Efficiency Monitor is a state of the art microcontroller based measurement concept which combines geneset fuel consuption and power output measurement in one single compact instrument. Apart from dispaying the live on line genset efficiency in Units/Litre,it provides logged data transmission on a RS485 link to a remote PC, completely automating genset efficiency monitoring, a most vital need in power house management.

#### **Features**

- Directly interfaces with Fluidyne `Genset Fuel Monitor' for Fuel Measurment.
- Measures net fuel consumption for 50-1500 KVA Gensets.
- Built in Energy Transducer for energy measurement.
- Displays dynamic on line efficiency in Units/Litre for each Litre consumed...
- Directly interfaces with Engine ON/OFF Transduser for Run Hrs Logging.
- Displays resetable & cumulative totaliser for Units, Liters & Engine Run Hrs.
- Built in Real time clock for data logging on 24 hr basis for all parameters.
- Logged data transmission to remote PC on RS485 communication link.
- Software utility for PC provided to view logged data in Excel format.
- Provision for daisy chaining sixteen monitors to one single PC.

### **Specifications**

Accuracy

Flow Measurement Energy Measurement

Display Efficiency

Load Fuel Rate Units Totaliser Fuel Totaliser

Fuel Totaliser Hrs. Totaliser Real Time

Inputs

Communication

PC Report Power supply ± 0.5% of reading

: ± 1.0% of reading

: 9.99 Unit/Litres. : 9999 kw. : 999 LPH : 9999999.9 KWH

: 999999.9 litres. : 999999.99 hrs. : DD/MM/YY Date. HH/MM/SS Time.

: Fuel Flow Signal from Fuel Monitor.

: CT/PT Input from Genset Panel. : Genset ON/OFF Signal from Engine

: ON/OFF Transducer.

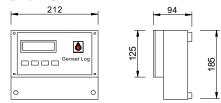
: RS485 Communication link to PC.

RS485-RS232 Convertor for link to PC

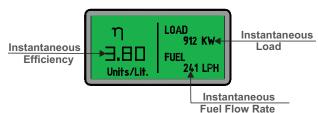
COM port.

eport : Genset Daily Log Report in Excel format.
er supply AC 230v 50Hz mains supply.

#### **Dimensions**



### **Default Display**



#### Installation RS485 to RS232 Convertor RS485 Serial Data Out CT Input Genset AC230V Panel Supply PT Input UPS Fuel Pump Fuel Inlet Valve Storage Injector Engine Return Water Àlternator Fuel Seperator `Fluidyne' Fluidyne' Filters Genset Engine ON/OFF Fuel Pump Return Fuel Monitor Transducer

## Daily Log Report

Genset : KTA1150G-1						
User :	CDSS	PUNE				
Log Date	Avg. Load KW	Max. Load KW	Energy KWH	Fuel Liters	Efficiency KWH/Ltr.	Run Time Hr.
22/7/2005	180.34	326.34	239.30	71.57	3.34	1.33
23/7/2005			115.53	39.01	2.96	0.97
24/7/2005	212.35	330.44	213.18	62.85	3.39	1.00
25/7/2005	194.34	319.97	297.40	89.64	3.32	1.53
26/7/2005	300.09	372.93	1795.0	515.67	3.48	5.98