GensetLog : Genset Efficiency Monitor

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

Specifications

Accuracy :	
Flow Measurement	± 0.5% of reading
Energy Measurement	± 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	DD/MM/YY 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. *RS485-RS232 Convertor for link to PC COM port.
PC Report	Genset Daily Log Report in Excel format.

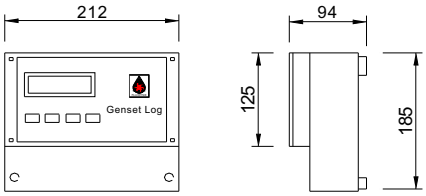
Introduction

The Genset Log : 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.

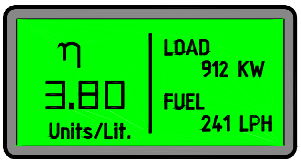
Features

- Directly interfaces with Fluidyne `Genset Fuel Monitor' for Fuel Measurment.
- Measures net fuel consumption for 50-2000 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.

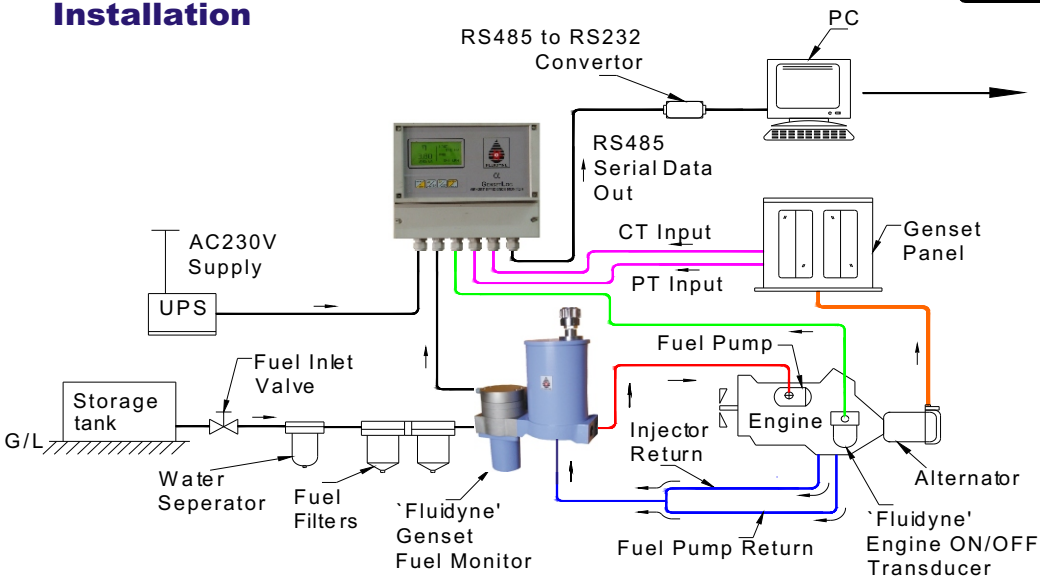
Dimensions



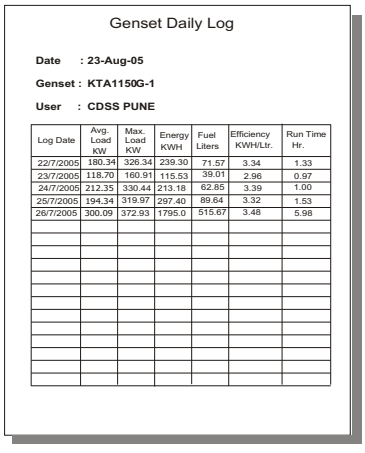
Default Display



Installation



Daily Log Report



Genset Daily Log

Date : 23-Aug-05

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	118.70	160.91	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

Fluidyne Control Systems (P) Ltd.

S. No. 81/4B,Near Agarwal Godown,
Shivne, Pune-411 023. India
Phone: 020-25290504, 25290870 Fax: 020-25292773
E-mail: fluidyne@vsnl.net