

## C&H SERVICES SBU



### Easy Data Monitoring & Logging System

#### ■ What is Easy TLG-1 ?

The Easy TLG-1 is data monitoring & automatic data logging device which used to estimate fuel and water consumption, to monitor steam & stack temperature. Logging data manually is not only a tedious job, but also prone for human errors. To overcome this, there was a need of a system for automatic data logging.

## ■ Features

- Data monitoring & automatic data logging device
- Records fuel and water consumption, steam temperature & stack temperature
- Eliminates manual data logging by operators.
- Data available in soft form for daily MIS
- Data storage capacity is available in USB.
- Designed to operate on universal AC voltage (90 to 270V AC).
- Micro-controller based unit.
- Built for trouble free operation and longer life.
- Online real time monitoring of parameters.

## ■ Description

**Fuel / Water Flow :** The input will be received from potential free contact. The unit will measure "on time" to calculate the flow. A look-up table of flow rates is programmed in the unit. Flow of water and fuel is calculated from this look up table and displayed in litres. The provision has been made for incorporating customized flow rates at site.

**Stack Temperature :** The input will be received from RTD installed on flue gas line (PT-100) and 3 wire sensor.

**Steam Temperature :** will be continuously monitored by a separate RTD installed on steam line.

The real time readings are displayed simultaneously on a 16 X 4 alphanumeric LCD display. A USB 2.0 port is provided for connecting the pen drive. Time stamped data of all 4 parameters will be stored in the USB pen drive. Date wise files are stored in Excel format (csv-comma separate value). The stored data can be downloaded by connecting a pen drive to a PC. LED indications are provided for pen drive detection and pen drive memory full.

## ■ Technical Specifications

Supply	90 to 270 V AC
Power Consumption	< 15 VA
Input 1	Potential-free contact for Oil Flow
Input 2	Potential-free contact for Water Flow
Input 3	RTD, PT-100 & 3 wire sensor for Stack Temperature, Range 0 to 400 Deg.
Input 4	Duplex RTD, PT-100 sensor for steam temperature, Range 0 to 400 Deg.
Display	16 X 4 backlit blue STN alphanumeric LCD display
Accuracy	< +/- 0.2% of FSD
Port	USB 2.0 port compatible to any standard pen drive
Mounting	Wall, Field
Enclosure	ABS plastic
Dimensions	200mm (L) x 120mm (H) x 80mm (W)
Operating Temperature	0 to 50 deg C
Operating Humidity	0 to 95% RH non-condensing
Logging interval	1 to 90 Min. (It is settable)

For more information, please get in touch with your nearest Therman representative. You can also mail us at info.c&hservices@thermaxindia.com or visit us at: www.thermaxindia.com.

In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change specifications without prior notice. All photographs shown in this publication are representative in purpose, and to be used for reference only. For actual details and specifications, please refer to Therman offer document.



# THERMAX

Sustainable Solutions in  
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