

# DATA LOG TOOL

The Regulateurs Europa data log tool, interfaces with the Regulateurs Europa engine management system, performing intelligent logging of control, protection and monitoring parameters.

## OPERATION:

The full data schedule is sampled every 200msecs in each of three states of operation, which are:

### Log Commissioning:

- Ensures efficient use of memory capacity.
- Preset log commissioning requirements must be met for each data set before data can be written to 'Memory'.

### Continuous Logging:

- Supports effective user assessment of system operating profiles and parameter trends.
- Once commissioned, tool continuously logs data at predefined rate (low frequency).

### Exception Initiated Logging:

- Supports effective user assessment of system control, alarm and protection functions.
- An exception based log period is enabled should one of the exception initiator parameters change state in a predefined manner.
- Parameters relevant to the particular exception initiator group are stored at the individual sample rates of the data sets in that group.
- The exception log initiation condition appears centrally in the predefined exception logged data period.



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## EQUIPMENT BREAKDOWN:

### PC Logged Data Display Software (LDD):

- Windows based.

### Data Log CL2-I/P Unit:

- Stainless steel enclosure,
- 1 off external connection for power and CAN comms,
- Houses 'Monitor' PLC and 'Record' memory module,
- Easily accessed memory card for transfer to PC running Regulateurs Europa LDD software for data extraction & viewing.

### Appropriate Interconnection Cable.

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## USER INTERFACE:

The user friendly Regulateurs Europa 'Viking Vision' Window, PC programming package provides the main user interface to the data logger.

The 'Viking Vision' Display menu provides indication of:

### Logging Status:

- Continuous Log, Exception Log, Data Log Unit Fault or System Comms Fault.

### Record Status:

- Healthy, Failed.

### Memory Usage:

- >80% Memory Used.

The 'Viking Vision Edit menu provides the following:

- Ability to individually enable/disable exception log groups.
- Ability to manually initiate an exception log period of all data.

## FEATURES

- Easy to connect, portable, small and compact Data Log CL2-I/P Unit.
- Local Indication of Data Logger Supply Healthy.
- Local Indication of Data Logger System Healthy.
- Local Indication of Data Logger Memory Usage >80%.
- 'Record' time stamps all received data using an internal clock as reference.
- Memory card has capacity to store up to 5 days of combined continuous and exception initiated logged data, under normal operating conditions.
- New data is always stored as a priority over older data.

## SPECIFICATION

### Data Log CL2-I/P Unit

#### Dimensions

250mm(W)  
x 250mm(H)  
x 110mm(D).

#### Environmental

Temperature, 0 to 70°C Operating ambient.

#### IP Rating

IP54.

### Data Log CL2-I/P Unit

#### Weight

Approximately 7kg.

#### Vibration

The Data Log CL2-I/P Unit is designed to withstand shock loads of 4g horizontally and 2g vertically. (the unit is mounted upon 4 off anti-vibration mounts).

#### EMC

Designed to comply with BS/IEC/EN61000 Pt4-1

### Power Supply

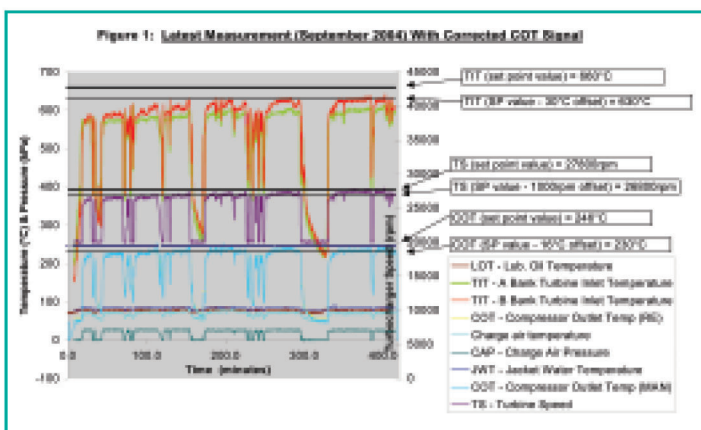
24Vdc, 2A.

### Communication Interfaces

CAN communications (Regulateurs Europa CANlog01 communications protocol module software interface).

### Connections

All connections are via plug connectors with wires either crimped or soldered.



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