



AAL[®]
Autometers Alliance Ltd



EVENT RECORDER FOR GT46MAC TYPE DIESEL ELECTRIC LOCOMOTIVES



Autometers Alliance Ltd offers tailor-made data recording unit, Event Recorder for GT46MAC type diesel electric locomotives.

Salient Features

- Compact size.
- Sufficient recording capacity for vehicle journey data.
- Portable memory module for data extraction on shed computer.
- Visual indication for recorder functioning.
- Compatible with data of EM2000 control system.
- User friendly application software for analysis of stored data.
- Tabular and graphical report generation.

Applications

- Recording of journey data in WDP-4 & WDG-4 type of locomotives.
- Data storage of locomotive's speed, brake cylinder pressure, brake pipe pressure, main generator power, tractive effort etc. with date and time stamp.
- Administrative control of vehicle for traffic scheduling.
- Vehicle trend analysis in case of train derailment/accident.

Technical Features

Data input	A stream of data incoming from EM2000 control system of EMD locomotives over RS 485 communication bus
Data transfer protocol	Handshake method to ensure integrity of data over communication bus
Data recording	In portable memory module @ 1 sec interval for last 10 hours recording and @ 20 secs interval for last 90 days recording
Data extraction	Through standard RS232C/USB interface and customized data extractor unit for portable memory module using customized Windows-based Data Extraction and Analysis Software
Status indication	Visual LED indications for status of data recorder
Operating power supply	50-140 VDC



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