



YELLOW ACTIVITY MONITORING SYSTEM

THE YELLOW SYSTEM ... The answer in low-cost plant fleet monitoring

DESCRIPTION

The Yellow Activity Monitoring System is a low-cost, low-maintenance system that assists with the management of plant and heavy-vehicle activity. This rugged, fully electronic system provides a means of easily and accurately monitoring the working patterns and running times of a fleet of vehicles.

Activity and engine data are recorded, stored, transferred and processed with little or no human intervention. This means that there is very little chance of data loss, corruption or tampering. Accurate reports of fleet or individual vehicle activity may be easily produced using the Windows PC-based software.



The system has been developed to replace the ageing, maintenance-intensive, mechanical vibration recorders, and to greatly enhance the processing of vibration and activity data.

BENEFITS

- Low purchase and running costs
- High reliability under harsh working conditions
- Easy installation and operation
- Very low maintenance requirements
- Accurate, tamper-proof data gathering
- Detailed reports, print-outs and graphs
- Easy-to-use Windows-based PC software
- Upgrade options and packages available

METHOD OF OPERATION

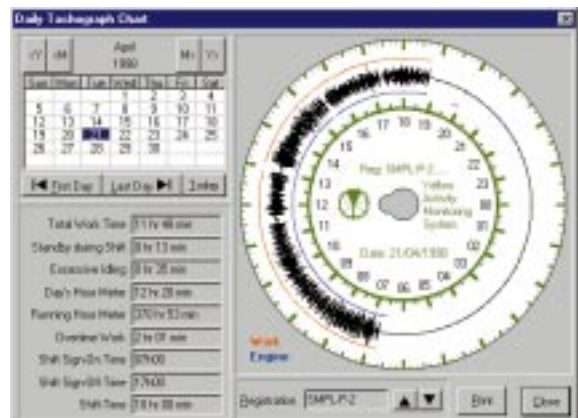
Each vehicle to be monitored is fitted with an Activity Recorder. This is a small, rugged, self-contained unit. In the simplest installation, no electrical connections are required. The user programs the registration number of the vehicle into the Activity Recorder. When operating, the unit records and stores all work vibrations experienced by that vehicle. An enhanced model of the recorder is available that also stores the user-defined category of work being carried out at any one time. Activity is time- and date-stamped, giving a record of up to two standard working weeks. Panel indicators show when vibrations are being recorded.

The activity data is collected from the Activity Recorders using a Data Gatherer. This hand-held unit can hold the information from a large number of vehicles. Data is collected by simply pressing the Data Gatherer into the Activity Recorder adapter socket for a few seconds.

The collected activity data is transferred from the Data Gatherer into a Personal Computer via a Desk Reader.

Windows-based PC software allows the user to set up a database of a vehicle fleet. Data received from the Data Gatherer is automatically assigned to the appropriate vehicles. A wide range of reports and graphs may then be generated, viewed and printed.

Checks, safety features and on-line help in the software ensure that the entire system may be operated with minimal training and high degree of confidence.





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SPECIFICATIONS

ACTIVITY RECORDERS (VR081 and VR081R)

Data Capacity	114 hours or a recommended maximum of 10 8-hour days
Measurements	Vibration, Service (Hour) meter, Work categories (VR081R)
Power Requirements	Two PP3 9 volt alkaline batteries, mounted internally
Battery Life	Up to 1 year
Indicators and Controls	Standby (Red), Busy (Green) and Work category dial (VR081R)
Size	175mm long x 80mm wide x 60mm high
Weight	400 grams, including batteries
Environmental	Dust proof; Water proof Operational temperature from -20°C to +70°C
Mounting Requirements	Four self-tapping screws or double-sided adhesive "mirror" tape

DATA GATHERER (DG1281)

Data Capacity	Activity data from 16 Activity Recorders
Power Requirements	One PP3 9 volt alkaline battery
Battery Life	Up to 1 year
Indicators	Busy (Green), Fault (Red), Battery Low (Yellow)
Size	120mm long x 65mm wide x 22mm high
Weight	130 grams, including battery
Environmental	Dust proof, Splash proof Operational temperature from -20°C to +70°C

DESK READER (DR71)

Power Requirements	None
Size	85mm long x 55mm wide x 50mm high
Weight	240 grams
Connector	DB9 Female connector (for PC COM port)
Cable length	1.2 metres

SYSTEM SOFTWARE

Minimum PC requirements	486 IBM PC or fully compatible, Win95, 98, 2000 NT4.0, ME or XP, 8MB RAM, 3MB hard disc space, SVGA Monitor, CD ROM Drive
Reports and Print-outs	A range of single and multiple vehicle reports by day or date range. (Includes work time, standby time, over-time, excessive idling, utilisation, service meter, totals, predictive maintenance reports etc.)
Graphs	Traditional Tachograph, Daily Activity, Progress/Prediction
Data Export	Comma-separated values for spread-sheet/database importing
Maintenance	Upgrades can be downloaded from our web site

ORDERING INFORMATION

SK08	Starter Kit : Activity Recorder VR081, Data Gatherer, Desk Reader, Software
SK08R	Starter Kit with Activity Recorder VR081R
VR081	Activity Recorder, including service meter recording
VR081R	As for VR-081, with work-type recording via dial setting.
DG1281	Portable Data Gatherer
DR71	Desk Reader
SW100	Software, including Help facilities



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