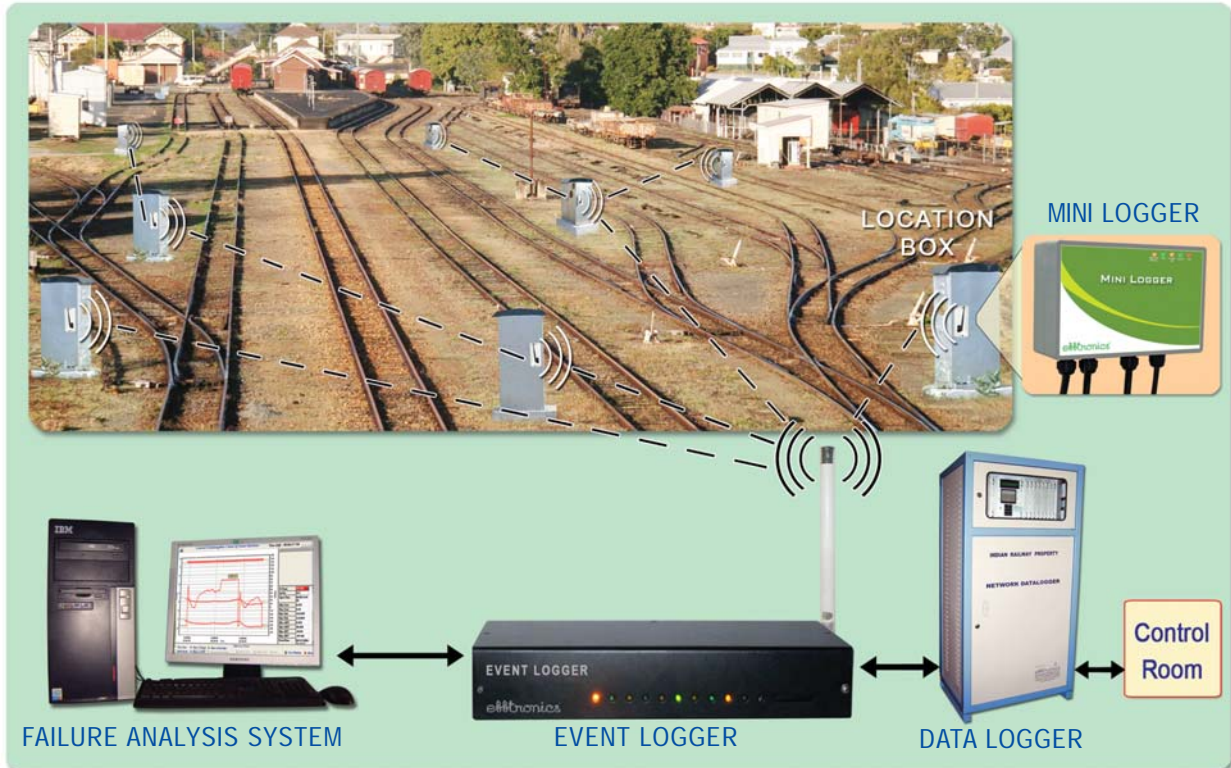


DC Track circuit and Point Machine Health monitoring unit enables signal Technician to perform status based maintenance.

Reduces the down time of points and track circuits by eliminating down time due to frequent disconnections for maintenance and improves MTTR.



FEATURES

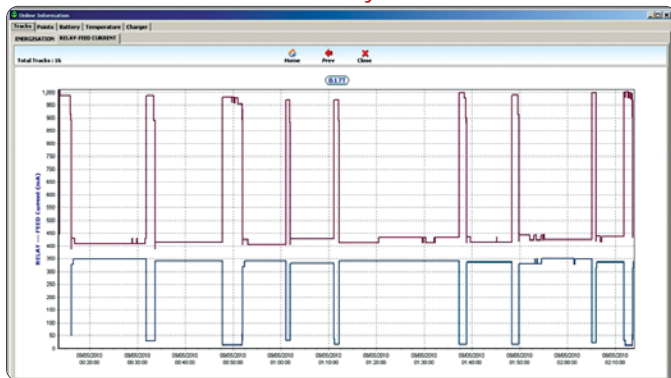
- ❖ Non-invasive method for measuring current.
- ❖ Graphical representation of Current and voltage signatures of point machine during point operation.
- ❖ Generating exceptions and alarms when point operating current or time exceeds configured limits.
- ❖ Faults generation in application S/W
 - Over energisation of track
 - Initial High Peak current
 - Friction clutch problem
 - Low energisation of track
 - Obstruction at Point
- ❖ Superimposing the characteristics of selected operations for a selected Point.
- ❖ Over energisation and under energisation state of DC track relay is pre-warned improving the track circuit availability and optimization of maintenance effort.

SPECIFICATIONS

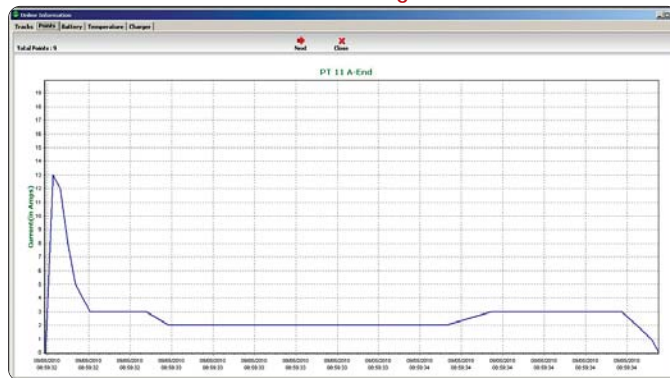
- ❖ Works on 24V DC (18-32V Range).
- ❖ Wireless communication (2.4GHz ISM Band) for data transferring.
- ❖ Self routing for long distance data transferring.
- ❖ Maximum of 6 currents, 4 voltages and 16 digital inputs in mini logger.
- ❖ Analog channels scanning at 32 samples per second.
- ❖ Digital inputs scanning at 16milli-seconds.
- ❖ Data storage capacity.
 - Ten lakh data packets in Event logger.
 - One lakh data packets in Mini logger.
- ❖ Measures :
 - Feed end Current
 - Relay End current
 - Percentage of relay energization
 - Point Machine Current
 - Point Operating Voltage
 - Track Feed charger voltages
 - Temperature
- ❖ Every event is time stamped.

REPORTS

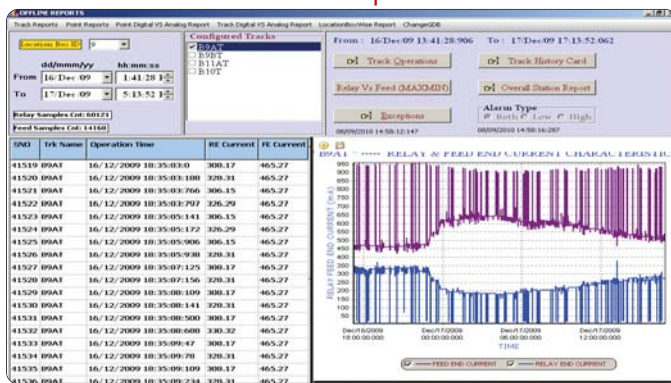
Feed end and Relay end Currents



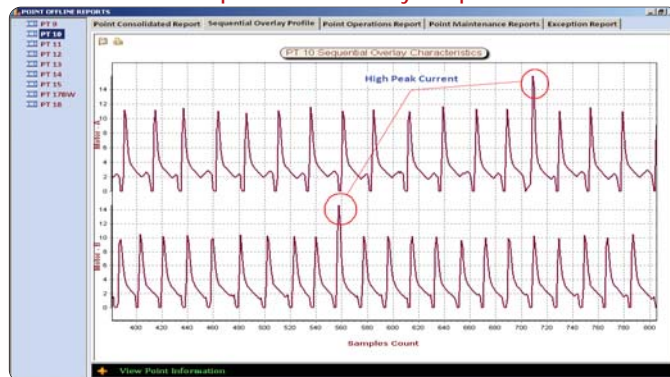
Point Current Signature



Off-line Reports



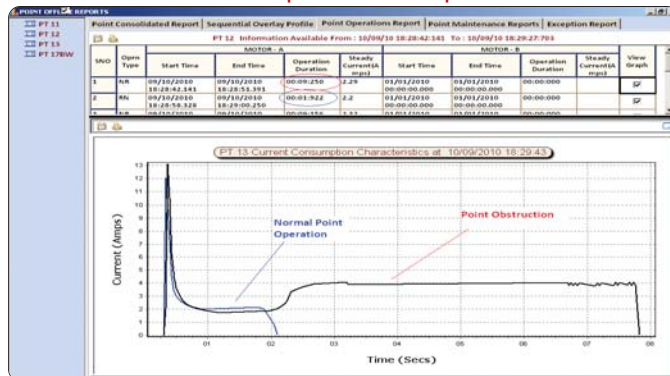
Sequential Overlay Report



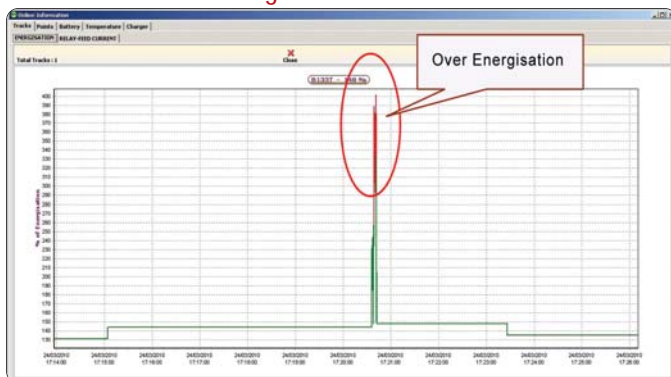
Exception Report for Track Circuit



Point Operations Report



Over Energisation of Track Circuit



Single Ended Point Carbon Brushes Worn Out Charecteristic

