Event Analyzer
Intelligent Monitoring for Crossings and Interlockings

Progress Rail's Event Analyzer redefines the capabilities of a wayside event recorder. Not only does it integrate seamlessly with On-Site for instant, 24-hour crossing monitoring, Event Analyzer is also engineered with future expansions in mind.

It includes 16 digital inputs, four battery monitoring inputs, and four relay outputs for all standard crossing needs. Integrated GPS, automatic time synchronization, communications ports, and an intuitive web-based interface simplify product monitoring and use.

Field maintenance is also simplified by the fact that Progress Rail's Event Analyzer requires no internal batteries, includes an integrated isolated DC/DC converter for easy wiring and less equipment to install, and has an optional LCD/keypad for local user interface.

Specifications

Digital Inputs
16 input channels
0-220 V (AC/DC)
Input isolation

Battery Monitor Inputs
4 battery bank monitoring channels
0-50 VDC
Resolution: 0.1V
Integrated ground fault detection

Relay Outputs
Contacts: FRONT/HEEL
Contact rating: 0-220 V (AC/DC),
8 A max

Communications
Ethernet port 1 (local user interface)
Ethernet port 2 (remote office interface)
GPS (for asset tracking and time sync)
Serial port (RS-232)
Integrated isolated DC/DC converter
(to power communication devices)

User Interface
Local keypad and LCD
Web based GUI
Terminal emulation (text based)

Event and Alarm
Up to 2 million events storage
No internal batteries to retain storage

Expansion I/O
(Easily expand I/O as needed)
4-channel current sensing module
8-channel digital input module
48-channel digital input module

Input Power
8 to 30 VDC @ 3 A maximum load

Environmental
Operating temperature: -40°C to +70°C
Relative humidity: 0% to 95%, non-condensing
Surge and lightning protection