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