

### Electro-Sensors Product: VS-Series XP (Explosion Proof) Vibration Monitors

**Application:** Monitor for excess vibration due to imbalance

**Purpose:** The abrasive action and the type of material being crushed can wear the hammers or crushers out unevenly, causing imbalance and excessive vibration. If left unchecked this can lead to catastrophic damage to machinery, product waste, and dangerous operating conditions. Mounting a vibration monitor on the external enclosure of a crusher provides a means of quickly identifying a fault condition such as an overload or imbalance and enabling immediate shut down minimizing machinery damage and product waste.

**How it works:** The VS1 XP mounts directly to coal crusher and has an adjustable relay output that can be wired to an alarm or motor shutdown circuit. Calibration is quick and easy minimizing costly machine downtime. The VS1 XP is a self-contained vibration monitoring system and can be installed without any additional brackets or mounting equipment. It has an input voltage of 24 Vdc with the option of a 115 Vac power supply to cover most applications.

### Benefits

- Economical self-contained unit
- Rugged and compact XP vibration monitor
- Installs on a wide range of machinery
- Alarm delay avoids false trips on startup and normal operation
- Simple installation and calibration avoids costly downtime

