

### Electro-Sensors Product: 1101 Hall Effect Shaft Speed Sensor and Magnet Wheel

**Application:** The sensor and magnet wheel provide precise shaft speed feedback to the system controller to ensure accurate metering of liquid asphalt to be batch weighed and mixed with gravel. The sensor and wheel combination also provides shaft speed feedback and load-out of asphalt, as well as alarming in the event of pump shaft slow-down/stoppage.

**How it works:** The sensor and wheel combination feeds critical digital pulses to the controller to provide early warning of shaft slow-down/speed-up in the event of an empty asphalt vat scenario.

### Benefits

- Protect high temperature asphalt pumps
- Noise immune – electrically
- Allows early warning of pump shaft slow-down/stoppage
- Extremely rugged and reliable
- Safely operate in high temperature asphalt environments
- Low cost system protection

