

CSI 430 SpeedVue™ Laser Speed Sensor

- Provides precise speed detection
- Automatically detects shaft speed when used with the CSI 2130 Machinery Health® Analyzer
- No reflective tape required
- Works on clean or dirty shafts



The CSI 430 SpeedVue measures turning speed without requiring special markings on the shaft.

The CSI 430 SpeedVue Laser Speed Sensor measures the turning speed on rotating equipment. It uses a laser beam in conjunction with an advanced signal processing algorithm to measure turning speed without requiring special markings on the shaft.

Readings are possible from up to 30 feet away without reflective tape or up to 100 feet away with reflective tape.

The CSI 430 connects to the CSI 2130 and shines a laser beam on an exposed area of the rotor. The

CSI 2130 automatically detects, displays, and incorporates turning speed into the machine measurement. This information is critical for machinery diagnostics and when establishing a new database.

Applications for the CSI 430 include measurement of turning speed on motor shafts, fans, paper rolls, pulleys, and sheaves. It can also be used to measure the speed of paper felts.

Technical Specifications

Operating Distance

- 30 ft (9 m) without reflective tape,
100 ft (30 m) with reflective tape

Laser Class

- FDA Class IIIa, < 5mw, 650 nm,
IEC Class 3B (International)

Temperature Range

- 15-120 deg F (-10 to 50 deg C)

Accuracy

- +/- 0.05%

Resolution

- 5 digit display

Dynamic Range

- 2 - 120,000+ RPM

Input Voltage

- 5.0 - 7.2 VDC (supplied by analyzer)

Output Voltage

- Analog Voltage Waveform (+/- 2.5 volt max)

Weight

- 0.43 lbs.

Compliance

- FDA, IEC, CE
- Approved accessory for class I
Division II safety-rated CSI 2130
analyzers.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



Emerson Process Management
Asset Optimization Division
835 Innovation Drive
Knoxville, TN 37932
T (865) 675-2400
F (865) 218-1401

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