



Analyze the Condition & Performance of Your Reciprocating Machines With the Lenz Analyzer & ECI Expertise

Elevate the Performance of Your Reciprocating Compressors

Our product and service offerings are designed to ensure optimal operation and longevity of your equipment. Through comprehensive performance assessments, we obtain key metrics (such as pressure, temperature, vibration, and lubricant condition), utilizing advanced diagnostic tools and techniques. Our services encompass a thorough analysis of system dynamics, including valve performance, cylinder efficiency, and overall mechanical integrity.

Leveraging cutting-edge technology and industry expertise, we identify potential issues—before they escalate—offering proactive maintenance solutions to mitigate downtime and enhance operational efficiency. Our commitment extends beyond routine inspections, as we provide customized recommendations and predictive maintenance strategies to optimize equipment performance over its lifecycle.



Get the Power to Collect and Analyze Your Data, in Your Own Way

The Resonance Systems Lenz Condition & Performance Analyzer offers the:

- Flexibility to collect route-based portable data
- Freedom to magnetically mount the Lenz on your machine and continuously collect data
- Ability to use cell phones and tablets as the user interface for data collection
- Advantages of tying it all together with the Resonance Systems Rmonix™ software platform and secure cloud-based data storage

KEY FEATURES

Small Footprint and Lightweight

Much safer, less weight, compact design.

No Neck Straps

Belt, holster, pocket, or magnet mount. Wireless user interface allows for team data collection in potentially hazardous locations. No need for dangerous straps.

Safe Data

Redundant data storage locally during collection. Secure cloud storage of data in Rmonix database.

Only One Analyzer Needed

With advanced vibration capabilities built in, one analyzer can handle all your reciprocating and rotating performance and condition monitoring needs.

Transport Case

1 small 19.20 x 15.20 x 7.30 in case. Full kit is less than 20 lbs. Everything is smaller and lighter.



MORE KEY FEATURES

Modular Design

Lenz Units are modular so they can be paired with each other to collect more channels as a system. If you want to collect more than six channels of data on your route or in continuous mode, you can pair additional Lenz devices to meet most data collection needs.

Built in Bluetooth and Wi-Fi

Operates like a true IoT device. System components pair and communicate to each other, your intranet, the internet, and any Bluetooth or Wi-Fi device desired.

Bluetooth and Wi-Fi Sensor Ready

In addition to the five hard channels, the Lenz is capable of tracking and trending additional sensor points via Bluetooth and/or Wi-Fi.

Rmonix™

Rmonix is a user-driven, feature-rich software platform, built with the analyst in mind when it comes to ease of operation and with management in mind when it comes to easy access to data and key performance indicators.

Continuous Data Collection Mode

Collect continuous data like a DVR. Use this function to troubleshoot, analyze parameter changes, or continuously monitor the condition.

Hazardous Area Rating

Class 1 Division 2, Groups A-D, T4A, IP65.

Certifications and Approvals

ISA-12.12.01; CAN/CSA C22.2 No 213-15, Class 1 Division 2, UL 61010-1, FCC.



With a focus on continuous improvement and client satisfaction, our reciprocating performance offerings are designed to meet the evolving needs of your operation, ensuring reliability, safety, and maximum return on investment.

Learn More From Our Experts

Founded in 1956, ECI specializes in providing best-in-class process control systems, automation products, pumps, and related solutions for manufacturing and industrial customers in the oil and gas, chemical, power, food and beverage, mining and metals, life sciences, pulp and paper, refining, petrochemical, OEM, and nuclear industries. In addition, ECI's experts and certified technicians provide reliability solutions, plant lifecycle services, process solutions, automation, and valve repair services for a wide variety of products. The company is proud to be your local Emerson Impact Partner serving Western Pennsylvania, West Virginia, Western Maryland, and Ohio.



ECI.us

724-746-3700

2 Park Drive, Lawrence, PA 15055