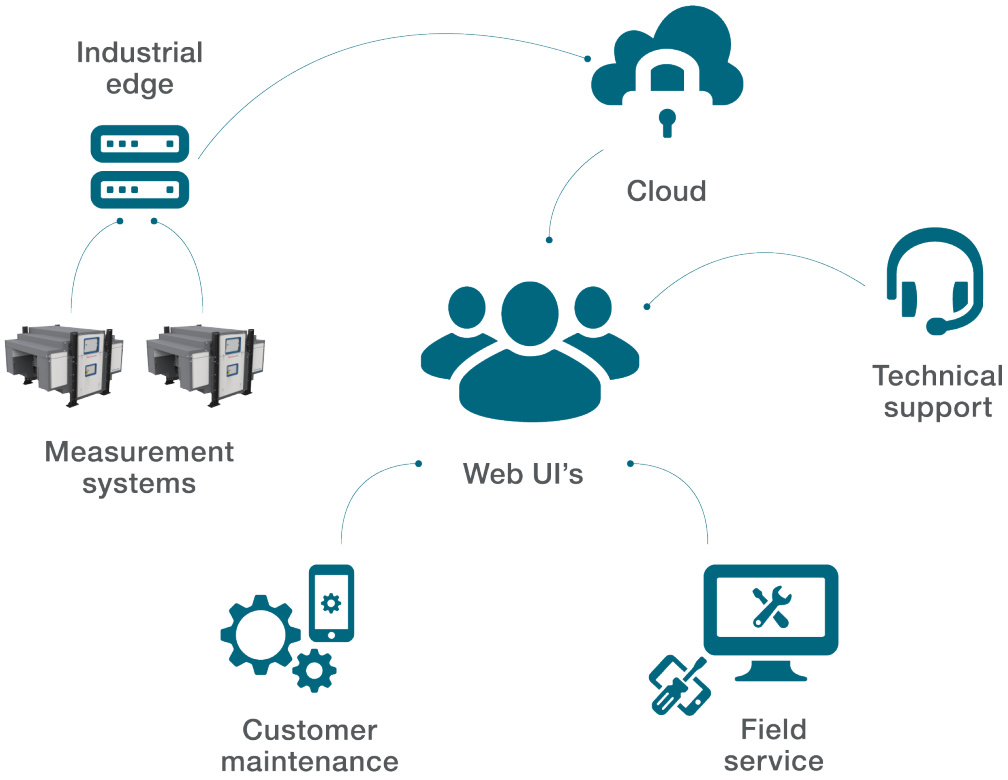
Instrument Performance Management (IPM) software

Automated performance monitoring and predictive maintenance software for peak performance and maximum uptime of your analyzer

Thermo Scientific™ Instrument Performance Management (IPM) software is a powerful, state-of-the-art solution designed to automatically monitor the health of your Thermo Scientific™ CB Omni Analyzers. IPM software can predict maintenance needs and provide actionable insights that ensure maximum uptime and peak performance. By seamlessly integrating with your new and existing analyzer systems, IPM software reduces downtime, improves serviceability, and helps you make data-driven decisions that extend the life of your equipment.



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Features

- **Real-time performance monitoring**
  Continuously tracks the health and performance of your analyzer, ensuring that it operates at peak performance at all times.
- **Predictive maintenance alerts**
  Proactively identifies potential issues before they lead to downtime, providing early warnings to avoid costly repairs and service disruptions.
- **Cloud-based data insights**
  Provides detailed performance data, trends, and historical analysis through intuitive cloud dashboards, ensuring full visibility into your analyzer's health.
- **Native integration with CB Omni Agile**
  Integrates effortlessly with every CB Omni analyzer, whether new or in the field, providing automatic monitoring without any additional installation requirements for customers on warranty or have an active service plan.
- **Secure data transmission**
  Ensures your data remains protected through state-of-the-art, industry-standard encryption and access controls.

Benefits

- **Maximized uptime**
  IPM helps prevent unexpected breakdowns by predicting maintenance needs before they cause downtime, ensuring that your equipment is ready to perform whenever you need it.
- **Cost savings**
  By reducing emergency repairs and optimizing maintenance schedules, IPM lowers the overall cost of ownership and helps you avoid unplanned expenses.
- **Extended equipment life**
  With proactive monitoring and alerts, IPM helps you get the most out of your analyzer, extending its operational life and maximizing return on your investment.
- **Increased serviceability**
  IPM makes it easier for service teams to stay ahead of potential issues, streamlining the maintenance process and minimizing the need for reactive interventions.
- **Free for warranty and service plan customers**
  For customers under warranty or have an active service plan, IPM is included at no extra cost, offering continuous support without additional fees.

Platform security and data protection

The IPM platform focuses on collecting operational and performance-related data:

- Sensor readings and diagnostics
- Equipment status and performance metrics
- Maintenance logs and alerts

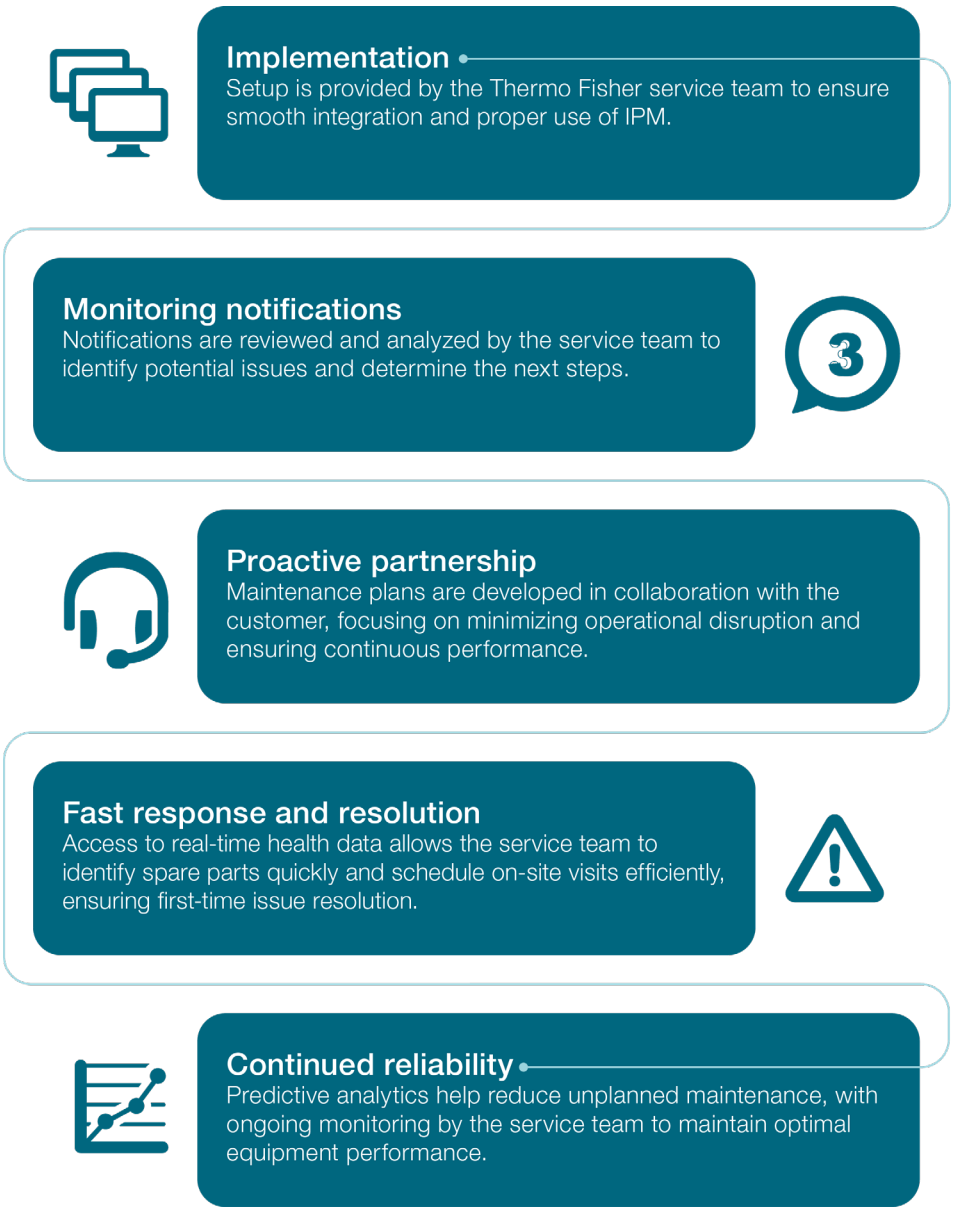
Importantly, the platform does not access or collect personally identifiable information (PII) and proprietary process data, such as the specific chemistry of materials. The data collection is strictly limited to information necessary for monitoring instrument health and performance.

Instrument data is stored in a secure, cloud-based infrastructure. All data is encrypted end-to-end using TLS 1.2 industry-standard encryption protocol. The IPM platform adheres to all relevant data protection laws, including GDPR, ensuring customer data remains protected. The software supports configurations that work with corporate proxy servers and VPNs, provided the required ports and security policies allow for encrypted data transmission. Thermo Fisher Scientific also implements secure authentication methods and role-based access controls. Access is limited to authorized service engineers and product specialists within the Thermo Fisher service organization. Customers may also have access to their own instrument's data through a secure web portal.

Connectivity and data transmission

Frequency of data transmission is configurable based upon the instrument type and use case, but typically ranges from near real-time streaming to periodic updates. In a situation where the network goes down, the instrument buffers data locally and transmits it once the network connection is restored. The analyzer needs an outbound internet connection over HTTPS (port 443). The network must allow secure communication to Thermo Fisher Scientific's cloud servers. Instruments can be connected via Ethernet or Wi-Fi, depending on the model and available network infrastructure. Customers may access and export their instrument's data in common .csv format via the cloud dashboard. Additional fees may apply.

Driving reliability through every step



Get started today

Maximize the efficiency and reliability of your CB Omni analyzer with IPM software. For customers under warranty or or with an active service plan, IPM software is available at no additional cost. Don't wait for a failure—stay ahead with proactive maintenance and protect your equipment's uptime.

Contact Thermo Fisher Scientific today to learn more about how IPM software can help you optimize performance while you save on long-term maintenance costs and receive continuous support at no extra charge.

Learn more at **thermofisher.com/cbomniagile**