Orbit 60 Series

Next-generation condition monitoring, asset protection, and data integration for all rotating machinery in any industry

The Orbit 60 Series is Bently Nevada's most advanced condition monitoring and protection system that will help you make smarter decisions faster—and accelerate your journey to digital transformation.

It collects and processes data on the edge at high speed—equipping operators with the right analytics and machine-health information needed to optimize performance and maintenance.

Robust cybersecurity

The Orbit 60 Series is the first intrinsically cybersecure vibration monitoring system with a built-in data diode—creating a safe industrial environment for data processing. It's designed to ISA 62443 Cybersecurity Standard.

Enhanced analytics

The system has 100x higher signal processing power than the industry standard. It offers best-in-class data resolution across all machine types, and seamlessly connects to System 1 software for advanced data analysis—delivering highly accurate machine-health information at the speed you need.

Scalability and flexibility

The architecture can support up to 65 dynamic data channels per rack (versus industry average of 50), so you can monitor more machinery with less effort and lower capital expenditure. With scalable architecture, a modular remote I/O system, and the ability to connect to third-party systems—the Orbit 60 Series can cover a wide range of assets, from critical machinery to balance of plant—making it the ideal platform for future expansions. It's also the only turbomachinery monitoring system that can be distributed or rack-based, which maximizes your installation and operating flexibility.

The unit is exponentially more efficient: 50% smaller than industry standard, so it optimizes space and reduces associated costs for installation, operations, and maintenance—across a wide range of industries including oil and gas, power generation, renewables, and industrial.

Continuity

The Orbit 60 Series performs high-resolution offline data storage for incidents—ensuring continued access to data even during a network interruption. It has SIL 2 Certification for confidence through redundancy measures.

1st intrinsically cybersecure vibration monitoring system with built-in data diode

100x processing power vs. industry standard—with variable signal processing

50% smaller than industry standard

30% higher channel count compared to industry standard

60+ years of expertise from Bently Nevada

Learn more

Visit **bently.com/orbit60** or contact your local sales rep for more information about the Orbit 60 Series.

Baker Hughes

bently.com/orbit60