Built to Last. Designed to Predict. Engineered for Efficiency.

Empowering Reliability, One Asset at a Time

AMS 9530

Complete Vibration & Temperature Monitoring: Triaxial vibration and surface temperature sensing with PeakVue™ and PeakVue™ Plus for advanced diagnostics.

Embedded Prescriptive Analytics: Automatically identifies machine shaft speed and correlates defects like bearing wear or lubrication issues.

High-Resolution Data Acquisition: Captures up to 1600 lines of resolution and 51.2 kHz sampling rate for detailed waveform and spectral analysis.

WirelessHART® Protocol: Secure, self-healing mesh network compatible with existing AMS 9420 installations; 100m line-of-sight range.

Fast & Simple Installation: Installs in ~5 minutes; ideal for hard-to-reach or hazardous areas (Class I Div 1, ATEX Zone 0).

Long Battery Life: 3–5 years with off-the-shelf lithium batteries; supports 4 waveforms/day and 13 scalar values/hour.

Mobile & Software Integration: Data accessible via AMS Machine Works, AMS Device Manager, and mobile devices; alerts via AMS Optics.

Rugged Industrial Design: IP66-rated, 316 stainless steel housing for corrosion resistance and durability in harsh environments.

AMS 6500 ATG

API 670 Compliant: Designed for machinery protection with <100 ms response time.

Embedded Predictive Diagnostics: Includes PeakVue™ technology, order analysis, band analysis, and energy in bands.

Simplified Hardware Architecture: Only 5 hardware components; no need for specific cards per measurement type.

Integrated Communication Protocols: Embedded OPC UA, Modbus TCP/IP/RTU, SNTP time sync = for seamless integration with DCS, SIS, and HMIs.

Real-Time High-Resolution Data: Up to 10,000 events viewable with 1 ms resolution in Machine Studio.

Seamless Upgrade Path: Designed to retrofit into existing cabinets and use existing sensors and wiring—ideal for replacing legacy systems.

Redundant Power & Communications: External redundant power supplies reduce heat and improve reliability; 2oo3 voting logic minimizes false trips.

AMS Asset Monitor

Skid-Mount, Compact Design: DeltaV™ CHARM-based system with rugged IP66/NEMA 4X enclosure for harsh environments.

Fast Response Time: Digital outputs can shut down assets within 2 seconds for protection.

Advanced Vibration Analytics: Embedded PeakVue™ and PeakVue™ Plus technologies for prescriptive diagnostics.

Built-In Asset Class Libraries: Includes ISO 20816 alert sets, antifriction bearing library, and application logic.

Browser-Based Interface: Easy access to asset health data via wired or Wi-Fi Ethernet.

Flexible Integration: OPC UA server, Modbus TCP/IP, and external data point support for DCS/PLC connectivity.

Cybersecurity Features: Access authentication, encrypted communication, and whitelisting.

PUFFER
Emerson Impact Partner

EMERSON

Reliability Reinvented: Powerful Tools for Predictive Maintenance

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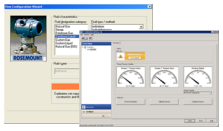
AMS Device Manager

Scalable Device Integration: Supports up to 30,000 smart devices, including HART and Foundation Fieldbus from any manufacturer.

Centralized Database Architecture: Uses MongoDB for efficient data management and performance.

Calibration Solutions: Define test schemes, schedule calibrations, and manage calibration data.



Comprehensive Connectivity: Connects to 20+ systems including BPCS, SIS, PLCs, gateways, modems, and field communicators.

Advanced Diagnostics & Alerts: Integrated with Topview for SMS/email alerts and AMS Optics for health insights.

Streamlined Commissioning & Maintenance: Bulk device configuration and auto-sync with AMS Trex for faster setup and troubleshooting.

Predictive Maintenance Tools: Combines multiple techniques to assess instrument and valve health, enabling proactive planning.

Secure & Efficient Operations: Active Directory support and centralized management improve security and reduce operational complexity.

AMS Machine Works

Unified Platform for All Hardware: Integrates with AMS Wireless Vibration Monitor, AMS Asset Monitor, AMS 6500 ATG and AMS 2140.

Advanced Analytics with PeakVue™ Plus: Embedded prescriptive diagnostics including fault frequency calculations, long/transient waveforms, and anomaly detection.

Interactive Analysis Dashboard: Intuitive interface to identify critical issues quickly and document anomalies interactively.

Thin-Client Architecture: Browser-based access from any station on the secure network; supports remote monitoring.

Scalable Device Integration: A single server can handle up to 5,000 AMS Vibration Monitors and 400 AMS Asset Monitors.

Seamless Connectivity: OPC UA server, Active Directory support, and integration with AMS Optics and Topview for alerts.

AMS 2140

Four-Channel Data Collection: Enables faster route completion and advanced diagnostics.

Embedded Intelligence: Guides users through test setup and data analysis for accurate results.

PeakVue™ Technology: Provides powerful insights into bearing and gear health.

Wireless Data Upload: Seamlessly transfers collected data to AMS software from the field.

Ergonomic Design: Built for comfort and usability during extended field work.

Comprehensive Analysis Tools: Includes waveform, spectrum, and historical trend analysis.

Versatile Asset Coverage: Suitable for rotating equipment across various industries.

Rugged & Reliable: Built to withstand harsh environments and field conditions.

Protect. Predict. Perform.
Real-Time Data. Real-World Impact.

Contact Us

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