

Test and Measurement Solutions

for Energy & Process Solutions



Power Generation | Oil & Gas | Chemical | Petrochemical



MEASURE. UNDERSTAND. ACT.

Securing Performance Across Critical Machinery

Keeping critical machinery reliable means identifying faults quickly, understanding their root causes and acting before they affect production.

From test cells and factory acceptance to commissioning, troubleshooting and temporary monitoring in the field, OROS Test and Measurement Solutions provide the data and analysis required to make informed decisions.

Our comprehensive range supports rotating machinery diagnostics, structural dynamics and noise analysis across turbines, compressors, pumps, generators and reciprocating machines. Designed for demanding industrial environments, these solutions help teams validate equipment, resolve complex vibration issues and secure machine performance throughout its operating life.



**EXPERTISE · RELIABILITY · PERFORMANCE ·
EFFICIENCY · SUPPORT**

INSTRUMENTS

from 2 to 32 channels,
distributed up to 1000+

Flexible connection
Rugged & portable
Accurate & precise
Versatile
Made in France

SOFTWARE SOLUTIONS

for R&D, Acceptance,
Diagnostics

Data Acquisition
Rotating Analysis
Structural Dynamics
Noise Analysis

SERVICES

Anywhere, close to you

Training & coaching
Maintenance centers
Testing
Customization
Dedicated team

Measuring your Rotating Machinery

Turbines and Compressors

- > Gas and Steam Turbines
- > Pumps & Compressors
- > Hydro Turbines
- > Wind Turbines
- > Fans and Blowers

Reciprocating Machinery

- > Diesel and Gas engines
- > Reciprocating Compressors

Electric Machines

- > Power Generators
- > Electric Motors

Boosting your Efficiency



ROTATING ANALYSIS

- > Fluid film bearings
- > Roller bearings
- > Gear analysis
- > Reciprocating machines analysis
- > Torsional analysis
- > Balancing
- > Electric motors



STRUCTURAL DYNAMICS

- > ODS (Operating Deflection Shape)
- > End Winding Bump Testing
- > Blade Modal Testing
- > Damping & Isolation



NOISE ANALYSIS

- > Octave & Sound Intensity

Made for your Demanding world

1 - Improve Efficiency 2 - Maximize Uptime 3 - Minimize Costs

Test Cells

- > Prototype validation
- > Overhaul and acceptance at OEM

Improve acceptance testing efficiency

- > Integrated & automated test process and report generation
- > User friendly operation
- > Multi-channel real-time processing and monitoring
- > Multiple sensors types: proximity, velocity, acceleration, strain, pressure, etc.

Field Testing

- > On-site commissioning
- > Machinery startup
- > Predictive maintenance
- > Installation vibration signatures
- > Diagnostics and troubleshooting

Optimize costs, predict failures

- > Data and signals recordings based on alarm-triggering levels
- > Collect raw signal information for comprehensive processing

Remote Monitoring

- > Post installation follow-up
- > Random & one-off phenomena

Travel light for reliable tests

- > Portable and rugged hardware
- > One versatile analyzer for multiple noise and vibration applications
- > Multi-channel simultaneous acquisition for run-up and coast-down
- > Real-time analysis

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