

S+ Turbine: Machinery Condition Monitoring MCM800

Highlights

The MCM800 provides a complete set of functions designed to address the monitoring and protection needs of your rotating machinery. The MCM800 incorporates all monitoring, protection and communication into a single module. This single module concept provides a common interface reducing hardware by combining functions and reduces the need for spare parts.

The MCM800 integrates into DCS systems or operates standalone. The module may be installed in a centralized or remote location. Communication to the module is accomplished through the on-board Profibus and Ethernet interfaces. Monitoring and configuration is available with both communication ports.

The MCM800 reports the measured values for monitoring and protection along with synchronous speed and harmonic (orders) data used for detecting machine defects. In addition, the MCM800 provides waveform data for more extensive analysis, such as FFT's, waterfall plots, orbits, shaft centerline plots, bode plots, etc.



Machinery Condition Monitoring MCM800

Machinery Condition Monitoring MCM800 features include:

- Independent Monitoring Device
- Universal Module
- Provides Monitoring and Protection
 - Vibration
 - Eccentricity
 - Thrust (Rotor) Position
 - Differential (Relative) Expansion
 - Case (Absolute) Expansion
- Profibus DP Controller Interface
- Ethernet TPC/IP 10/100 Base T
- Interfaces to all common sensor types
 - Proximity (eddy current) probes
 - Moving Element Velocity probes
 - Piezoelectric Velocity probes
 - Accelerometers
 - DC LVDT's
- Integrates into DCS system or operates standalone
- Installs in centralized or remote locations
- DIN Rail Mountable

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