

POWER GENERATION & WATER

MCM Series 16

Self-contained remote condition monitoring



ABB's MCM Series 16 is now available for remote application and stand-alone operation. This self-contained prepackaged system is built around ABB's powerful MCM800 condition monitoring module and provides a complete set of monitoring functions in a cost effective, ready to install assembly.

- 16 channels of vibration and position measurements
- Easy programming for a variety of common monitoring applications
- ABB's Panel 800 color display for local indication
- Interface for Modbus and Profibus communication
- External buffered outputs for diagnostic instrument connections
- Connectivity with ABB's Analyst™ data acquisition and diagnostics software
- Options for NEMA 12 and NEMA 4x installations
- Easy installation options for pole/beam or wall mounting

The MCM Series 16 is designed for mounting in close proximity to the machinery to be monitored, reducing field wiring requirements and the cost of installation. It can operate as a stand-alone monitoring and protection system or as a component of a fully integrated process control system or DCS. The heart of the MCM Series 16 is the MCM800 condition monitoring module, part of ABB's System 800xA family of control system products.

MCM800

A universal condition monitoring module

- Provides on-line monitoring for critical equipment
- Provides continuous monitoring and protection

- Eliminates the need for separate communication hardware
- Simplifies the hardware learning curve
- Reduces hardware by combining functions
- Reduces spare parts inventories

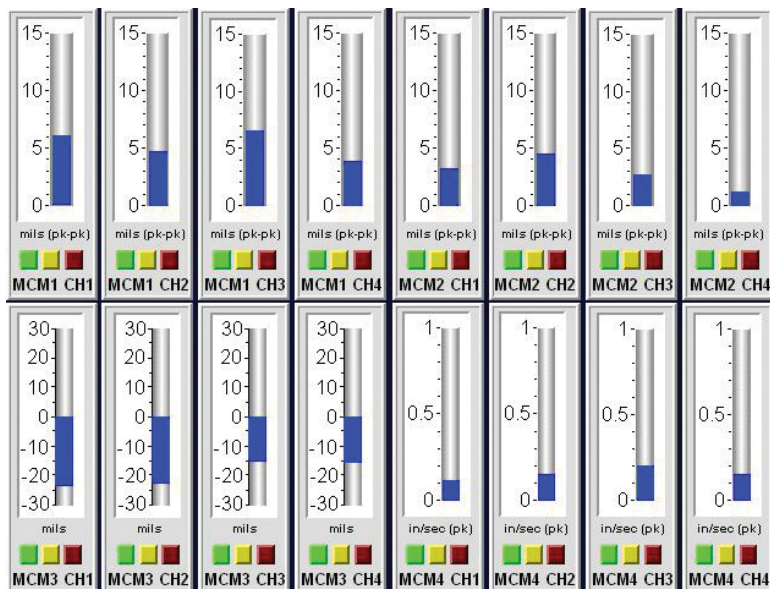
ABB's new MCM800 protects your assets and ensures the safety of your personnel while optimizing plant operations and reducing lifecycle costs.

MCM Series 16

Cost effective, flexible and scalable

Utilizing the MCM800's multi-functional design, the MCM Series 16 can be configured for any size system. This new prepackaged configuration comes ready for installation as a stand-alone system. It is designed to be mounted closer to the monitored machinery, reducing field wiring requirements and overall installed cost. Other benefits of the MCM Series 16 include:

- Installation in a centralized or remote location
- Easy integration into a DCS system
- Custom configuration via Profibus or Ethernet interface with provided tools
- Applicable to all types of rotating machinery across multiple industries



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1 High-resolution, 64k-color TFT screen displays advanced graphics clearly and attractively

Multifunctional display featuring ABB's Panel 800

- Advanced graphic display - provides local display of monitored data
- Multiple standard screen options available
- Trending and alarm

Panel 800 is designed for the toughest industrial environments. Its waterproof front casing can withstand the elements and complies with IP66 for front cover protection with CE (EMC), UL and DNV standards.

Types of rotating machinery & equipment

- Steam & gas turbine generators
- Feedwater pumps
- Fans and pumps
- Motors and gearboxes
- Compressors

Industries served

- Power generation
- Oil & gas
- Pulp & paper
- Metals & mining
- Water & waste water

Why ABB's engineering excellence?

- Total solution company with worldwide installations
- Technology innovation and a pioneering spirit
- Industry experts with an extensive knowledge base
- Reliable service and life cycle support

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