MMS6220

Epro / Dual-Channel Shaft Eccentricity Monitor

Epro MMS6220 evaluates shaft eccentricity from two compatible eddy-current probe chains in an MMS 6000 machine-monitoring system.

Overview

The module processes relative radial shaft-motion signals to derive peak-to-peak eccentricity and minimum or maximum gap values. Such low-speed information helps reveal shaft bow and runout during a controlled machine run-up or rundown.

A complete eccentricity measurement needs a shaft revolution reference. The installed key-signal sensor and processing module, probe chain, target track and MMS6220 configuration must be considered together; the two input channels alone do not define a valid per-revolution calculation.

Technical specification matrix

System family	MMS 6000
Signal inputs	Two eddy-current measuring chains
Compatible probe family	PR642x
Input voltage	–1 to –23 V DC
Signal frequency	0.017–70 Hz
Measurement modes	Peak-to-peak, minimum/maximum, continuous gap
Local configuration	RS-232
System communication	RS-485

Applications and system fit

Turbine slow-roll eccentricity

Measure peak-to-peak shaft runout across revolutions during startup preparation or coastdown.

Shaft bow assessment

Observe minimum and maximum radial position from a matched PR642x probe chain.

Run-up comparison Compare saved characteristic values with the approved historical startup profile.	**MMS diagnosis integration** Transmit configured eccentricity and status values to a host diagnosis system over RS-485.

Product precautions

Confirm the key signal Verify the one-pulse-per-revolution reference and its channel path before relying on eccentricity values.	**Match proximity chains** Check each PR642x probe, converter, cable and target track.
Preserve measurement modes Record peak-to-peak, min/max and gap selections and scaling.	**Keep limit behavior** Retain warning/danger levels and run-up range multipliers.

Source and application boundary

EPRO MMS 6220 Dual Channel Eccentricity Monitor, manufacturer-original data sheet.

Manufacturer-original MMS6220 data describe the base monitor. Confirm the offered revision and the project-specific key-signal and probe configuration.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

EPRO PR6423/010-010	EPRO PR6423/10R-010

Apter Power | Technical enquiry

sales13@apterpower.com | +86 18030235313

Send the complete model and installed-system details when requesting a quotation.