

Emerson - MMS 6000**MMS6220**

Dual-Channel Shaft Eccentricity Monitor

Verified model data

Manufacturer	epro / Emerson
Part number	MMS6220
Product type	Dual-channel eccentricity monitor
Sensor inputs	2 PR642x eddy-current measuring chains
Evaluations	Peak-to-peak and minimum/maximum
Frequency range	0.017 to 70 Hz; approximately 1.02 to 4200 rpm
Run event memory	Stores characteristic values from the last run-up or run-down
Power consumption	Maximum 6 W; 250 mA at 24 VDC
Product family	MMS 6000 Machine Monitoring System
Supply voltage	18 to 31.2 VDC; nominal 24 VDC
Configuration interface	RS232 on module front

Selection summary

EPRO MMS6220 is a two-channel monitor for shaft eccentricity and bow from low-speed relative radial vibration signals.

It works with compatible PR642x eddy-current chains, evaluates peak-to-peak or minimum/maximum behavior and retains characteristic data from the last run-up or run-down.

Before replacement, record probe chains, cold gaps, slow-roll conditions, channel scales, evaluation mode, run-event data, key input, alarms, outputs, relays, bypasses and module configuration.

Emerson - MMS 6000**MMS6220****Additional verified data**

System interface	RS485; up to 31 modules / 62 channels per bus
Module protection	IP00; front plate IP21
Operating temperature	0 to 65°C
Storage and transport temperature	-30 to 85°C
Relative humidity	5 to 95%, non-condensing
Dimensions	3.0 × 12.84 × 16.0 cm (W × H × D)
Net weight	Approximately 0.32 kg

Slow-Roll Setup

- Confirm turning speed and thermal machine state
- Set probe gap with runout and shaft growth margin
- Use the approved eccentricity reference rather than operating-speed limits

Run Recording

- Verify start and stop criteria for event capture
- Preserve key or speed-reference wiring
- Export characteristic data before replacing the card

Diagnostics

- Compare raw gaps before judging eccentricity
- Inspect target runout and bracket rigidity
- Prove record storage and alarm behavior through a controlled cycle

Application checkpoints

- Turbine slow-roll eccentricity monitoring
- Shaft-bow assessment during startup and shutdown
- Run-up and run-down characteristic capture for critical rotating machinery

Evidence boundary: Dimensions and net weight are taken from the exact-model original epro datasheet; gross packed weight is excluded.

Source basis: Original epro MMS 6220 data sheet.