



200-510-074-114

VM600 MPC4 Machinery Protection Card

Product scope

- Processes four dynamic and two tachometer channels in real time.
- Supplies supported proximity systems and IEPE accelerometers directly from the card.
- Allows live insertion and removal when the documented VM600 hot-swap procedure is followed.

Manufacturer source

Vibro-Meter VM600 MPC4 machinery protection card data sheet, document DS 268-069.

This web-optimized copy contains only verified information relevant to the stated ordering code.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	200-510-074-114	

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200-510-074-114 verified configuration

VM600 MPC4 Machinery Protection Card

Exact product identity

Vibro-Meter 200-510-074-114 is a VM600 MPC4 machinery-protection card with four programmable dynamic channels and two tachometer channels for continuous rotating-equipment protection.

Product classification

Manufacturer: Vibro-Meter

Product family: VM600 Machinery Protection System

Product type: Machinery Protection Card

Installation attention

200-510-074-114 must be matched to the installed MPC4 architecture and IOC4T pair; restore channel scaling and alarm logic only from the approved rack configuration.

200-510-074-114 technical specifications

Verified product data · section 1 of 2

Parameter	Verified value
Ordering number	200-510-074-114
Product family	VM600 MPC4
Module function	Continuously online machinery protection
Dynamic channels	4, individually programmable
Tachometer channels	2, individually programmable
Sensor power	Integrated supplies for sensors and signal conditioners
Processing	Real-time digital signal processing
Serviceability	Hot-swappable
Filter types	Programmable broad-band and narrow-band
Tracking function	Simultaneous amplitude and phase in order-tracking mode
Alarm thresholds	Programmable Alert, Danger and OK set points
Adaptive limits	Adaptive Alert and Danger levels

200-510-074-114 technical specifications

Verified product data · section 2 of 2

Parameter	Verified value
Buffered access	Front-panel BNC raw-signal connectors
Status indication	Front-panel LEDs
Operating modes	Protection and basic condition monitoring
Available architectures	Standard, separate-circuits and safety versions
Rack family	VM600
Companion interface	IOC4T input/output card
Protection outputs	Alert, Danger and OK logic
Channel setup	Software programmable
Target assets	Rotating machinery

200-510-074-114 application and integration guide

VM600 Machinery Protection System

Applications

- Protects turbine and generator shafts through continuous vibration and speed supervision.
- Combines amplitude and phase for order-related analysis on variable-speed compressors.
- Provides basic condition indicators alongside trip-oriented machinery protection.

Model-specific integration points

Monitoring & Control

- Programmable OK, Alert and Danger levels define separate channel-health and protection states.
- Adaptive alarm limits can follow changing machine behavior instead of one fixed threshold.
- Front LEDs present card status and alarm conditions at the rack.

Diagnostics & Protection

- Buffered raw signals are available from front-panel BNC connectors for independent analysis.
- Sensor power and channel status are supervised as part of each configured measurement chain.
- Hot-swappable construction supports card replacement without dismantling field wiring.

Configuration & Programming

- Each dynamic input can use its own measurement, filter and alarm arrangement.
- Broad-band and narrow-band filters are assigned in software to suit the monitored fault mode.
- Two tachometer inputs provide selectable speed and phase references for tracking functions.

200-510-074-114 manufacturer source record

Vibro-Meter VM600 MPC4 machinery protection card data sheet, document DS 268-069.

Source used for verification

Vibro-Meter VM600 MPC4 machinery protection card data sheet, document DS 268-069.

Manufacturer document location

https://catalogue.meggittsensing.com/wp-content/uploads/2020/09/DS_VM600_MPC4-en.pdf

Editorial scope

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