



200-510-076-114

VM600 MPC4 Machinery Protection Card

Product scope

- Combines programmable filters with order-synchronous amplitude and phase measurement.
- Exposes conditioned raw sensor signals at front BNC connectors for portable analysis.
- Supports adaptive Alert and Danger levels for changing operating regimes.

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	200-510-076-114	

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200-510-076-114 verified configuration

VM600 MPC4 Machinery Protection Card

Exact product identity

Vibro-Meter 200-510-076-114 is a VM600 MPC4 protection processor that converts vibration and speed inputs into filtered measurements, adaptive alarms and buffered diagnostic signals.

Product classification

Manufacturer: Vibro-Meter

Product family: VM600 Machinery Protection System

Product type: Machinery Protection Card

Installation attention

200-510-076-114 must be matched to the installed MPC4 architecture and IOC4T pair; restore channel scaling and alarm logic only from the approved rack configuration.

200-510-076-114 technical specifications

Verified product data · section 1 of 2

Parameter	Verified value
Ordering number	200-510-076-114
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

200-510-076-114 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

200-510-076-114 application and integration guide

VM600 Machinery Protection System

Applications

- Tracks vibration orders during machine run-up, coast-down and load transitions.
- Separates narrow-band mechanical signatures from overall protection measurements.
- Feeds VM600 alarm and status logic for compressors, pumps and large rotating trains.

Model-specific integration points

Signal Processing

- Real-time DSP calculates protection values continuously from all configured channels.
- Programmable narrow-band filters isolate selected mechanical frequencies from overall vibration.
- Order tracking couples amplitude and phase calculations to a tachometer reference.

Compatibility

- The card operates in a VM600 rack and uses an associated IOC4T for rear field termination.
- Supported IEPE accelerometers and proximity systems can receive power from the integrated supplies.
- Existing software files must match the installed MPC4 version and its channel architecture.

Performance & Efficiency

- Four dynamic channels and two tachometer channels are processed together without external multiplexing.
- Front buffered outputs reduce the need to disturb field connections during diagnostic work.
- Live replacement shortens maintenance interruption when the approved procedure is used.

200-510-076-114 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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