

Meggitt Sensing Systems

MachineryMate™ monitoring kits

The newest member to our vibration monitoring family of products is the easy to use MachineryMate™ handheld meter series. MachineryMate™ meters are offered kitted with key accessories providing cost-effective solutions to meet your needs. Alternately, all accessories are available for purchase separately.

MAC200 Meter

The rugged IP67 rated meter has an integral Meggitt accelerometer and is ideal for simplified condition monitoring of rotating machinery. Overall machine condition is displayed on a color coded screen referencing ISO 10816 standards. Simple push button operation accesses detailed information to diagnose balance, alignment and looseness conditions. The MAC200 meter is ideal for vibration beginners looking for basic functionality to supplement their reliability centered maintenance (RCM) program with a low cost alternative to route based analyzers. Accessories include an extended length stinger tip, magnet mount, and rugged magnetic boot.

Analysis capability ✓

MAC800 Basic system

The basic system offers expanded functionality through additional internal meter storage capability, an integral 6 foot coiled cable sensor with magnet mount, DataMate software for long term spectrum storage and data trending. USB docking cradle transfers data from meter to software for signal diagnostics with 800 line FFT. Ruggedized magnetic boot provides quick mounting to equipment for hands free monitoring.

Analysis capability ✓✓

MAC810 Standard system

The MAC810 system includes all the functionality of the basic system and adds unlimited machine storage capability through DataMate Pro software, and strobe light attachment for stop motion analysis.

Analysis capability ✓✓✓

MAC820 Advanced system

For comprehensive vibration analysis the Advanced system adds high performance noise cancelling Bluetooth headphones for auditory evaluation of vibration signals, providing a full spectrum of diagnostic capabilities.

Analysis capability ✓✓✓✓

	MAC200	MAC800	MAC810	MAC820
	Meter	Basic	Standard	Advanced
MachineryMate™ meter	M200	M800	M800	M800
Carrying case with inserts	x	x	x	x
Boot with magnets	x	x	x	x
Docking cradle with USB cable		x	x	x
DataMate software		x	PRO	PRO
Strobe attachment			x	x
Bluetooth headphones				x
Headphones carrying case				x



MAC200 meter



MAC800 meter

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MachineryMate™ accessories

Whatever your monitoring needs, Meggitt offers MachineryMate™ accessories to enhance your vibration analysis capabilities. Look, learn and listen to vibration for a complete picture of machinery health.

High performance sensing

Meggitt sensors are all designed and manufactured for longlasting reliability. The MAC200's probe tip and extended stinger provide continuous accurate readings over time without sensor degradation.

The MAC800 includes the 780FM-2-J88C compact sensor and coiled integral cable with BNC connector. The two-pole magnet enables easy walkaround monitoring and conveniently mounts to the bottom of the rugged boot for quick, tangle-free storage.



Rugged and portable

A protective boot with built-in flat magnets helps assist during data collection by allowing hands free operation. The meter can be held in place on a magnetic surface leaving hands free to move and mount the sensor.

Store your MAC meter in the included carrying case with foam cut insert, securing accessories in place. Detachable shoulder strap provides easy portability in the field.



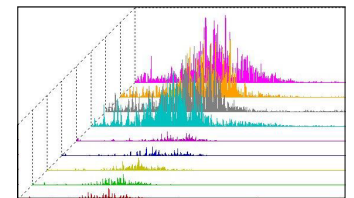
Strobe attachment

Using freeze motion allows analysts to visually inspect high speed machinery without shutting down production. The strobe synchronizes with machinery for speed, balance and phase information. Light analysis can help determine faults in vibrating brackets or pipe hangers, and assists in finding worn belts, springs, valves and dampers for replacement. Flashlight functionality assists in dark plant areas.



DataMate software and USB docking cradle

The Windows 7 compatible software allows trending and storage of up to ten assets (Pro version allows unlimited assets). Data can be uploaded to the software using the USB docking cradle. Vibration readings can be reviewed over time through a variety of options including trend lines, harmonic cursors and waterfall diagrams. For 24/7 monitoring, reports can be generated and shared automatically when alarm levels are reached.



Bluetooth headphones

Wireless, noise cancelling headphones provide a safe way to listen to sound anomalies, helping to detect vibration problems in transmissions or slow running bearings. Using the headphones, an operator can quickly learn to distinguish the differences between smooth running pumps and motors, early bearing wear conditions and gearbox faults or looseness conditions. The headphones are powered by a 12 hour rechargeable battery can be charged while in use. Behind the head steel-tension band with adjustable Velcro straps and soft foam ear cushions provide all day comfort and a secure fit.



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MEGGITT
smart engineering for
extreme environments