



Intelligent maintenance

Metso Maintenance Pad

This rugged route-based condition monitoring data collector and analyzer is IP65 and MIL-STD-810G certified to let you work virtually anywhere. Using wireless sensors and measurement modules makes setup quick and safe without cables and minimizes the time spent close to the measured machine. Sensors even have built-in memory and can even be left in the field, logging data for later download.



A tool for intelligent maintenance, Metso Maintenance Pad comes with Metso Machine Analyzer software including route planning, route and off-route measurements as well as efficient tools for vibration analysis using Windows based software that provides a familiar working environment for the operator. Collected vibration data is stored directly to the Metso Machine Analyzer database utilizing the built-in 128 GB solid state disk with powerful interface capabilities to Metso's control and on-line condition monitoring systems. The system also provides bidirectional synchronization between several Metso Machine Analyzer databases installed in either Maintenance Pads or desktop PCs. History data is available for instant analysis during route measurements with vibrations easily analyzed in the field on the sunlight-viewable 10.1 inch touch screen.

Benefits

- Reduce unnecessary downtime
- Early prediction of failure
- Plan machinery repairs well in advance
- Evaluate critical process machinery condition
- Forecast the remaining operational life of equipment
- Wireless sensors improve safety during route-based monitoring

Training

Metso training programs are available to cover every need from basic Metso Maintenance Pad operation and route planning to in-depth vibration and condition monitoring analysis. These structured interactive courses enable maintenance personnel to assess the condition of rotating machinery and troubleshoot potential problems before mechanical failure.

Features

- Standard WLAN measurement interface
- Wireless vibration sensors with built-in piezo-electric sensing element
- Wireless measurement modules to interface with standard IEPE sensor and triggering pulse sensors
- Sensors and modules include stand-alone data logger function
- Windows based software
- Large 10.1" XGA (1024 x 768) sunlight-viewable touch screen for easy viewing and analysis in any light
- Bluetooth connection and camera built in
- MIL-STD-810G certified (6' drop, shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere)
- IP65 certified, sealed all-weather design
- Twin hot-swappable Li-Ion battery packs



For more information, contact your local automation expert at Metso.
www.metso.com/automationservices



Metso intelligent maintenance



Intelligent Planning and Execution

Installed Base Audit

Criticality Analysis

Maintenance Plan

Condition Analysis

Preventive Maintenance

Repair

Modernisation and Upgrades

Resident Engineer

Metso Maintenance Pad specifications

CPU	Intel® Core™ i5
RAM	4 GB DDR3L SDRAM
SSD disk	128 GB
Operating System	Windows® 7 Professional
Display	10.1" sunlight-viewable color LCD touchscreen
Dimensions	274 mm × 268 mm × 58 mm {10.8" × 10.6" × 2.3"}
Weight	1.58 kg {3.5 lb}
Environmental protection	IP65, MIL-STD 810G
Interfaces	WLAN, LAN, USB 3.0, RS-232C, docking connector, DC in
Battery Pack	2 x Li-Ion 7.2 V, 3400 mAh, packs hot swappable
Operating Time	About 7 hours

Metso Machine Analyzer software

- Route planning
- Route and off-route measurement
- History database
- Signal analysis tools
 - Analysis tool for portable device
 - Analysis workbench for desktop PC
- Special user tools
 - Data logger function
 - Configurable user analyses
 - Scope for continuous real time analysis
- Data synchronization
 - With other Metso Machine Analyzer databases
 - With Metso's on-line systems

Wireless sensors and measurement modules

WVS-100	Wireless vibration sensor with internal sensing element
WMM-100	Wireless measurement module for external IEPE sensors
WTM-100	Wireless measurement module for speed trigger sensor

Windows® is registered trademark of Microsoft Corporation.

Intel® and Intel® Core™ are trademarks of Intel Corporation.



The information provided in this brochure contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice.