

# MICROCOR<sup>®</sup> DATA-LOGGER

## HIGH SENSITIVITY CORROSION/EROSION DATA-LOGGER

The newly redesigned Microcor Data-Logger MWT-3905-MDL (MDL) is the next generation in remote corrosion monitoring data-loggers, featuring an all-in-one design, lower cost, and improved battery life.

### High Sensitivity Corrosion/Erosion Data

Microcor's increased speed of response gives accurate corrosion/erosion rates almost immediately allowing direct correlation with other process parameters. Corrosion and erosion problems can be identified quickly allowing the user to take immediate preventative action.

### Enhanced Battery Life

With its new extended 5 year battery life\*, the MDL now ensures years, not months of uninterrupted operation. Battery replacement costs are reduced and unexpected data loss from power failure is avoided.

### Quick and Easy Installation

When unexpected corrosion problems arise, the MDL is a quick and cost effective solution. In a matter of minutes the MDL can be easily configured and installed, no power or communication wiring required!

### Cost-Effective Remote Data Collection

With its compact all-in-one design, the MDL is less cost per monitoring point than its predecessor. The self powered MDL has low start-up costs and virtually no maintenance costs. With no power and communication infrastructure required, the MDL is a low cost option for remote locations.



### Features and Benefits:

- Stand-Alone Data-Logger
- Improved Battery Life
- Autonomous Data Collection
- Hazardous Area Certified
- Data Download With Checkmate DL
- Quick and Easy Installation
- Ideal for Remote Locations

\*Based on 20 minute measurement intervals

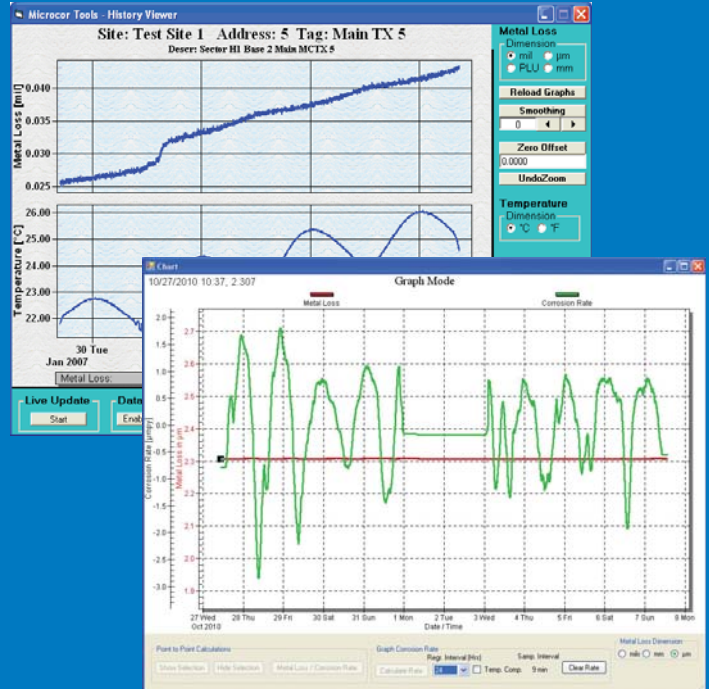
# Microcor® Data-Logger

## Easy to Interpret Graphed Corrosion/Erosion Rates

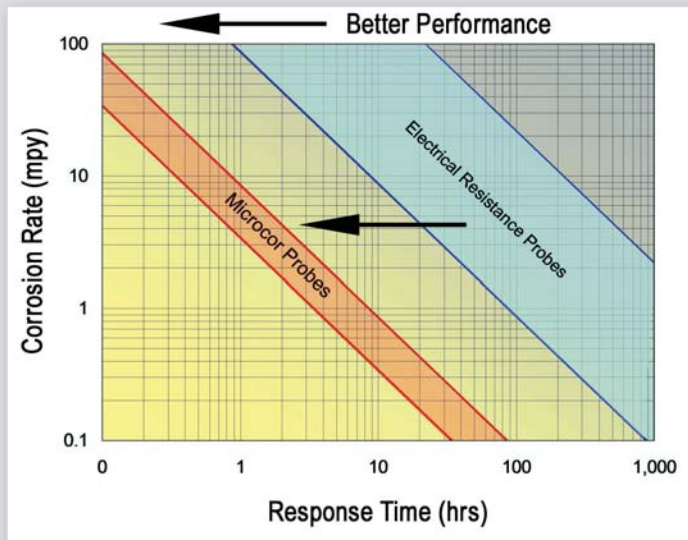
Collected data can be transferred directly to a laptop if located in a safe area, or with a Checkmate™ DL in a hazardous area. Microcor Tools PC software allows for easy data storage and graphical analysis of the results, showing metal loss and corrosion/erosion rate. When multiple sites and corrosion monitoring methods are used, Corrdata II total corrosion management software allows the user to graph multiple parameters for direct correlation of data.



Checkmate DL Configuration and Data Transfer Unit



## MICROCOR TECHNOLOGY



### Performance

Microcor® responds 50 to 100 times faster than conventional ER techniques

Microcor Systems represent the greatest advance in corrosion monitoring technology in a decade, literally changing the way companies approach corrosion management. Microcor technology has the same universal applicability as Electrical Resistance (ER) systems, measuring in any corrosive medium and in extreme operating environments. Unlike ER this high-resolution technique computes corrosion rate in minutes. Corrosion can now be considered a “process” variable.

The speed of Microcor approaches the rapid response time of Linear Polarization Resistance (LPR) systems and provides data 50 to 100 times faster than ER. In one application, the use of a MICROCOR Data-Logging system allowed a chemical screening to be completed in less than 48 hours – and at 10% of the normal cost. Similar screenings previously took weeks with ER systems.



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Corrosion Management Solutions

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