The MFC 4100 HART® Communicator is a full function HART Communicator supporting Universal, Common Practice and Device Specific commands. The MFC is designed for the life cycle of your plant process devices: commissioning, configuration and maintenance operations. All HART field devices can be configured, paired and trimmed using the MFC with HART Communications.

This HART Communicator is designed for optimum convenience and usability. The MFC 4100 is never out of your hands because you don’t need to send the unit off to get it updated. New device profiles are downloaded via the Internet, saving time and increasing availability. HART error messages are interpreted.

Just consider the MFC 4100’s standard features:

- Connections include standard 3/4” center banana jacks for HART connections; AC power jack; DB-9 connector for upload/download functions.
- Full alpha-numeric keypad that handles all 26 alpha codes and multiple symbols providing a variety of input options.
- Dedicated memory for over 600 HART device profiles plus memory to store over 200 configuration files.
- Durable, injection-molded ABS case measuring 10” length x 4.125” width x 1.25” to 1.625” depth; weighs 19 ounces. Also available – an optional protective boot.
- Elastic rear hand strap allows for easy carrying while the removable hanging strap allows you to transport the MFC while keeping both hands free. Soft carry case included.
- 13-line backlit display provides more information on the screen and lighting to see the screen in dark areas.
- Powered by two 9-volt alkaline, lithium or NiMH batteries (external re-charge) or optional AC power adapter for bench/desktop use.
- Maneuver through menus quickly either with numbered HART menus, up/down/select keys on keypad and thumb navigation buttons.
- DMS Device Management System Software.

DMS is designed for easy scalability, in terms of clients and devices. Functionality is limited by user group definitions and permissions, so that only authorized personnel can change a device. The DMS software is a full featured calibration and configuration management tool and supports HART® Fieldbus Technology. Software modules extend the feature set to include major functionality such as On-Line features to support connectivity to device networks.

New device model releases and revisions are maintained on our web site. These device model library additions and DMS software service packs are available from our download web site.

New devices can be configured and installed by cloning similar existing devices. This occurs for cloned devices that are all of the same model or revisions. The source for cloned devices exists as an off-the-shelf device or a device modeled in the DMS database. With DMS, you are able to clone an entire system and use it as a baseline for developing a similar system for a new division, expanding plant expansion and Greenfield projects. DMS is the complete device management solution for the life cycle of your process plant.

Find us online - www.meriam.com
MFT 4000 is a breakthrough combination calibrator/communicator that is the instrument of choice for technicians in every industry. The MFT 4000 delivers the versatility of a modular calibrator and communicator with its seamless interface to Miromatic's documenting and configuration, with the conformity to NIST traceable calibrator that is not available in the convenience of HART communications in one handheld unit.

**Device Management System**

Device Management System is a Microsoft SQL based software package that manages all aspects associated with the life cycle of devices in your plant!

- **Production:** Availability, Agency Compliance, Work Orders, Asset History, Schedules and Documented maintenance — all of these issues must be handled by today’s plant personnel. The Device Management System (DMS) is the key component that ties the MFT4000 and MFC4100 into one complete Device Management Solution.

**Dedicated memory for storing 600 device profiles, 200 configurations and 200 calibrations (As Found and As Left).**

- **Measurement Modules:** Provides your plant support personnel with information they need to perform commissioning, configuration and calibration, most effectively.

- **Track all of maintenance activities associated with any equipment or HART devices in your plant, creating an audit trail.**

- **Centralized process enables seamless connection to shop floor, quality, reliability and quick control requirements.**

- **Serve as a part of a valuable device management data base and can be shared among plant personnel and used for various plant-wide applications.**

**Commissioning and Start-Up Productivity**

Commissioning field equipment involves: configuration, zero adjustment, loop calibration and documenting the results.

- **Secure electronic documentation of all these tasks is performed with a single tool:** The Miromatic’s Miromatic software, the Miromatic’s Miromatic software, the Miromatic’s Miromatic database, and Microsoft SQL data server enable access to other plant solutions.

- **Serves as a portal so valuable device management information is returned with every message. This continuous communication allows access to critical device information — no system is an island.**

- **Operational Excellence is achieved by monitoring intelligent field devices in real time.**

- **Linking DMS to the Enterprise:** No plant is an island, and no software solution is an island. DMS is designed to interwork seamlessly and enhance connectivity to plant automation, and business systems.