## Introduction

The MFC5150X Handheld Communicator is a full function HART<sup>®</sup> Communicator supporting Universal, Common Practice & Device Specific commands.





Recharging Cradle is not rated for intrinsic safety and should only be used in a non-hazardous area. See the "Hazardous Area Use" section of the Control Drawing in the Instruction Manual.

### **Battery Pack Installation & Removal**

Pack is held into the communicator by two standard 6-32 screws with hex sockets that require a 7/64" hex wrench. Do not over-tighten battery case screws Installation: Set the communicator enclosure with the display downward on a flat stable surface. Rest the battery pack in the battery pack compartment of the enclosure leaving a ½" gap between the battery pack and the connector on the communicator enclosure. Slide the battery pack upward along the enclosure until the connectors mate completely and the screws are aligned with the threaded inserts on the communicator body. Thread the screws into the insert to complete the installation. Removal: Reverse the order of the operations.



The battery pack contains an advanced battery fuel gauge that actively monitors the battery capacity and therefore does not require any "battery training" throughout the life of the battery pack.

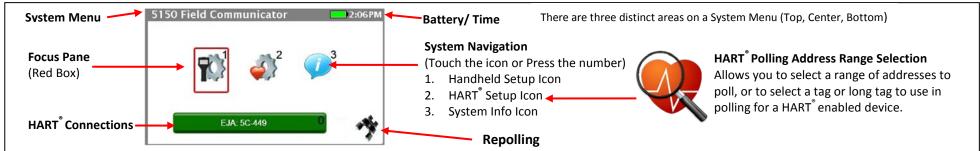
The Recharging Cradle is not intended to recharge a battery separately. To properly charge a battery pack it is required to be inserted into a communicator prior to being placed on NOTICE the charaer.

## Powering On the MFC5150X Handheld Communicator

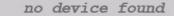
Push the power button for 1 full second, then release. After approximately 2 seconds a splash screen will appear & MFC5150X Handheld Communicator application will load.

#### Connecting to a HART<sup>®</sup> Device

The main system menu is the initial menu at power turn on. It is also accessible from any HART menu.



## HART<sup>®</sup> Connection descriptions



Indicates that no device is detected in the active polling range. The communicator is still actively polling the HART<sup>®</sup> address range you have selected in the HART setup. If the poll address range is a single address, and a device is found at that address the communicator will immediately initiate connection, and additional polling is terminated. If the poll address range is not a single address and a device is found the communicator will continually search throughout the full range of addresses to find any available connections.



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Indicates that multiple devices were found in the polling range and you must select which device to communicate with. Pressing the yellow icon will bring up a list box with all devices that were found in the polling address range. Once you choose a device and press "Accept", the box will collapse and the communicator will initiate connection.

Initiating Device

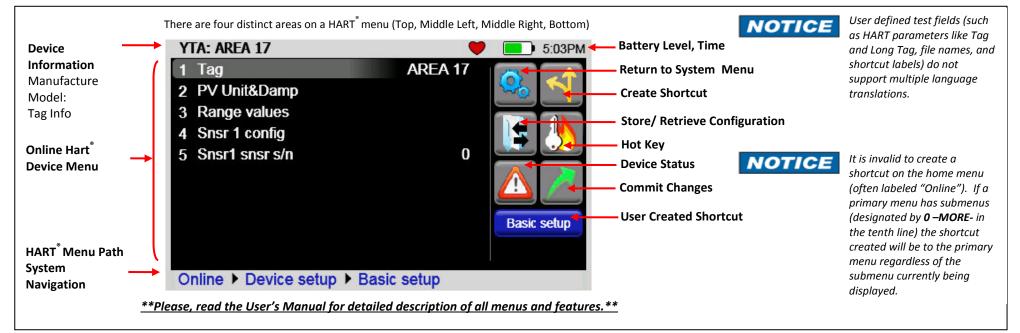
EJA: 5C-449

Indicates that the device selected is connecting and the Device Description (DD) is loading.

Initialization is complete and a device is actively connected to the HART network. The communicator does not continue to poll for other devices. If the green bar is selected the communicator will exit the system menus and go to the online HART menu.

# Online HART<sup>®</sup> Menu - (SDC-625)

HART Device Menus are only accessible when a HART communication enabled device is connected and communicating with the MFC5150X Handheld Communicator.



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