



# MFC 4150 HART<sup>®</sup> Communicator

The MFC 4150 HART<sup>®</sup> Communicator is the new latest HART communicator from Meriam Process Technologies. HART field devices can be configured and trimmed using the MFC. The MFC is a full function HART Communicator with features that optimize commissioning, configuration and maintenance operations.

MFC 4150 supports all HART devices at the Universal and Common Practice command levels plus a large and growing list of devices at the Device Specific command level. View our field device list by going to [www.meriam.com](http://www.meriam.com) and selecting Resources / Download Center / Available DOFs.

MFC 4150 shown with dongle (standard accessory, order separately)



## MFC 4150 Advantages

The MFC offers several unique features that provide HART users with a more useful, more reliable and more available communication tool. Just consider the MFC 4150's features:

- Quick start up and connect: 15 seconds!
- 60 hours battery life (w/o backlight)
- Update new device profiles and firmware from Meriam via the Internet – the MFC 4150 is never out of your hands
- Clone / Upload / Download configurations
- Off-line mode for editing / reviewing configurations
- Document and store 200 configurations
- As-found / As-left history with Meriam DMS software
- 13-line, 128 x 128 graphic, backlit display
- Dongle coordinates AC power adapter and serial communications
- Full alpha-numeric keypad
- Review / Edit on the fly
- Quick Menu short cuts for commonly used commands
- HART menu Home key
- Dedicated text edit keys
- Programmable lock-out settings
- Contrast key for direct adjustment in any mode
- Elastic hand strap, adjustable shoulder strap and soft carrying case
- Left side thumb keys for one-handed navigation





# M4 SERIES MFC 4150



## HART® Communicator

### Ordering Information

#### Model Numbers

MFC 4150 CE, General Purpose  
MFC 4150X CE, ATEX I.S., cULus

#### Standard Accessories

Z4150-7R Protective red boot  
Z4150-13 Soft carrying case with shoulder strap  
Z4150-10A Dongle for communications and AC adapter  
9B00007 Universal AC adapter  
A900447-00052 DB-9 cable, Male x Female, 6ft length; required for updates / communication

### Companion Products

Combine the MFC 4150 with our MFT 4000 Calibrator / Communicator and Device Management System (DMS) software and the trio offers the only single-source device management solution capable of meeting all aspects of device management.

#### Device Management System (DMS)

Full calibration and configuration management database. Featuring secure device history, report generation and search functions. Use with MFT / MFC.



#### MFT 4000 Multifunction Calibrator / HART Communicator

Three module bays, documenting from stored or manual procedures, full HART communications support for analytic, flow, level, pressure temperature and valve type devices.



### Industry Applications

#### Common Applications

Commission devices  
Step-by-step configuration  
Document as-left configuration

#### Operations

Reconfiguration for process changes  
Reconfiguration for batch runs  
Document as-found and as-left configurations  
Populate DMS database (see companion products below)

#### Device Maintenance

Troubleshoot devices with HART  
View device error messages  
Clone devices to commission replacements

### Features

#### Standard Features Included

Standard Documenting; Refer To DMS Software Datasheet  
HART® lead kit  
Protective Rubber Boot  
RS-232 Serial Cable  
Power adapter 120 to 240 VAC, 50 – 60 Hz and Universal Plug Adapter Kit  
AA alkaline batteries (6 each)  
Hard copy user's manual  
DPC Manager Utility for updating MFC CE for EMC testing  
ATEX certification by DEMKO

### Specifications

Base Unit	10 <sup>3</sup> / <sub>8</sub> "L x 4 <sup>1</sup> / <sub>4</sub> " to 2 <sup>1</sup> / <sub>2</sub> "W x 1 <sup>1</sup> / <sub>4</sub> " to 1 <sup>7</sup> / <sub>8</sub> "D; ABS plastic case, 1.7 lbs. (w/batts.)
Keypad	Membrane keypad: 4 soft, 8 single function, 30 dual function, 3 thumb
Display	13 line, 128 x 128 pixel graphic display, 2.1" x 2.1" viewable area, backlight
Power	Six AA alkaline or NIMH batteries; or 100-240 Vac power adapter Use only approved alkaline batteries for MFC 4150X units
Connections	Standard banana jacks (3/4" center) for HART®, Odu connector for dongle. Dongle coordinates AC adapter power and DB-9 serial communications.
4150 Certifications	CE EMC testing as battery powered, portable
4150X Certifications	ATEX Intrinsically safe (approved AA alkaline batteries only) Ex II 1 G; EX ia IIC T4 Class I, Div. 1 Groups A, B, C, D: T4 Intrinsically safe, Exia Class I, Zone 0, AEX ia IIC T4 Ex ia IIC T4 -5°C < Ta < +50°C
Temperature Specifications	Storage: -40°F to 140°F (-40°C to 60°C) Operating: 23°F to 122°F (-5°C to 50°C)