



MFC 4150 HART[®] Communicator

The MFC 4150 HART[®] Communicator is the 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 and selecting Resources / Download Center / Available DOFs.



MFC 4150 shown with dongle (standard accessory)



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., cUL_{US}

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 4010 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 (all models)
ATEX certification by DEMKO (MFC 4150X only)

Specifications

Base Unit	10 ³ / ₈ "L x 4 ¹ / ₄ " to 2 ¹ / ₂ "W x 1 ¹ / ₄ " to 1 ⁷ / ₈ "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 handheld
4150X Certifications	ATEX Intrinsically safe (approved AA alkaline batteries only) Ex II 1 G; EEx ia IIC T4 Intrinsically safe, Exia Class I, Div. 1 Groups A, B, C, D: T4 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)