

MFC 4100 HART® COMMUNICATOR



The MFC 4100 HART® Communicator is the latest handheld device from Meriam Process Technologies (formerly Meriam Instrument). All HART field devices can be configured, polled, and trimmed using the MFC with HART communications. The MFC is a full function HART Communicator supporting Universal, Common Practice and Device Specific commands for commissioning, configuration and maintenance operations.

This is the HART Communicator designed for optimum convenience and usability. Just consider the MFC 4100's standard features:

- Update new device profiles and firmware from Meriam via the Internet – MFC 4100 is never out of your hands
- Dedicated memory for 600 HART device profiles
- Clone / Upload / Download configurations
- Off-line mode for developing / reviewing configurations
- Document and store more than 200 configurations
- As-found / As-left history with Meriam DMS software
- 13-line, 128 x 128 pixel graphic, backlit display
- Full alpha-numeric keypad
- Edit directly from Review/Edit mode
- Quick Menu access key
- HART menu Home key
- Dedicated text edit keys
- Programmable lock-out settings
- Contrast key for direct adjustment from any mode
- Elastic hand strap and adjustable, detachable hanging strap
- Thumb keys (left hand) for menu Up, Down, and Select
- Custom “use-in-place” soft case with lead kit compartment

MFC 4100 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 device list at www.meriam.com by clicking on the “Available DOFs” button.

Use the MFC 4100 to ...

- Commission devices
 - Step-by-step configuration
 - Document as-left configuration
 - Electronic Birth Certificate
- Operations
 - Reconfiguration for process changes
 - Reconfiguration for batch runs
 - Document as-found and as-left configurations
 - Populate Meriam DMS database software
- Device Maintenance
 - Troubleshoot devices with HART
 - View device error messages
 - Clone devices to commission replacements
 - Preventive review of device status



MFC 4100 features HART communication for Analytical, Flow, Level, Pressure & Temperature transmitters



MFC ADVANTAGE



MFC with optional protective boot & DMS workstation



The MFC offers several unique features that provide HART users with a more useful, more reliable and more available communication tool. Combine it with our MFT 4000 Calibrator / Communicator and Device Management System (DMS) documenting software and the trio offers the only single-source device management solution capable of meeting continually changing documentation requirements.

SPECIFICATIONS

BASE UNIT: 10"L x 4 1/8" to 2 1/2"W x 1 1/4" to 1 5/8"D; ABS plastic case, 19 ozs. (w/ batts.)
KEYPAD: single sheet elastomer keys: 4 soft, 8 single function, 30 dual function, 3 thumb keys
DISPLAY: 13 line, 128 x 128 pixel graphic display, 2.6" x 2.6" viewable area, backlight
POWER: two 9V alkaline, Lithium, or NiMH batteries (external charge); optional 100 – 240 Vac power adapter

TEMPERATURE SPECIFICATIONS:

Storage: -40° F to 140° F (-40° C to 60° C)

Operating: 14° F to 140° F (-10° C to 60° C)

CONNECTIONS:

Standard banana jacks (3/4" center) for HART®, AC adapter jack, DB-9 for data transfer

INTRINSICALLY SAFE OPTION:

Certification to Class I, Div I, Groups A, B, C & D

Certification to ATEX PENDING

ORDERING INFORMATION

MODEL No & DESCRIPTION

MFC 4100-0: HART® Communicator
MFC 4101-0: Communicator with Documenting¹
MFC 4102-0: Communicator with Intrinsic Safety
MFC 4103-0: Communicator with Doc¹ & I.S.

Case options (-0 position in model numbers above)

-0 for rear hand strap only
-1 for fitted, use-in-place soft carrying case with shoulder strap and HART lead pouch
-2 for red protective boot and shoulder strap

¹ Documenting requires separate purchase of Device Management System (DMS) by Meriam

ACCESSORIES (asterisk items included with MFC purchase)

P/N A900529-00014* HART® lead kit
P/N A36821* 250 ohm shunt for low resistance loops
P/N A36884 Adjustable/detachable hanging strap
P/N A36875 Custom soft carrying case with shoulder strap and lead compartment
P/N A36885 Protective boot for MFC
P/N A900614-00006* 9V alkaline battery (2 each)
P/N A900614-00009 9V lithium battery (2 req'd)
P/N A900614-00015 9V NiMH battery (2 req'd)
P/N A36888 NiMH battery charger
P/N A36742 Power adapter, 100 - 240 Vac, US plug
P/N A36755 International plug kit for A36742 adapter

COMPANION PRODUCTS FOR COMPLETE DEVICE MANAGEMENT SOLUTIONS



DMS Device Management System documenting software – full management database, history, on-line ready, use with MFC / MFT. Request bulletin F/N 4200:215 or visit www.meriam.com.

MFT 4000 Multifunction Calibrator / HART Communicator, three module bays, documenting from stored or manual procedures. Request bulletin F/N 4000:215 or visit www.meriam.com.

