



The handheld device MFC 5150 is a HART[®] Communicator designed for optimum convenience and usability.

- Communicator for transmitter with HART[®] protocol
- Read-out and configuration of HART[®] devices
- Edit directly from Review/Edit mode
- Reads manufacturers' DDs in their native format ⇒ Communicates with any registered or unregistered HART device
- Full QWERTY-keyboard, touchscreen and function keys

Technical Description

The MFC 5150 HART[®] Communicator is a handheld device for easy configuration and receiving data of measuring devices. 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 all HART devices at the universal, common practice levels and a large and growing list of devices at the device specific command levels for commissioning, configuration and maintenance operations.

Specification

Memory

RAM	256 MB
Flash-memory	512 MB
Configuration Memory:	µSD-Flash-Karte, minimum 4 GB

Temperature

Storage:	-20°C to 55°C (incl. battery)
Operation:	-10°C to 50°C

Housing

Material :	ABS plastic case with rubber boot on the edges
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Dimensions:	303 x 142 x 48 mm LxWxD
Weight :	0,95 kg (incl. battery)

Connections

HART:	Standard banana jacks (1/2" center)
PC Data Transfer:	USB via docking station
Power:	Li-ion battery module, rechargeable via docking station

Supply

Lithium-Ion-Battery-Pack: 9600mAh, 10 h continuous use (typical), 20 h standard use, 200 h standby. Charging time 6 h, charging only in non-ex-areas.

Display

Transflective display with anti-glare touch-screen 4,3", 480 x 272 Pixel, 24bit TFT color. White backlight, adjustable in all modes.

Keypad

Molded keyboard design with tactile feedback. 52 keys including QWERTY-keys. Choice between touchscreen or function keys for example:

- Navigation keys for scrolling the menus
- Backlight key for direct changes of the brightness
- Up to ten teachable device-specific short cuts on the touchscreen.

Special Features

- Reads manufacturers' DDs in their native format – no translation needed
- Clone / upload / download configurations
- Offline mode for developing/ reviewing configurations
- Data exchange with PC via USB
- Integrated multi-language support

Use the MFC 5150 for...

Commissioning of HART[®] devices
 Step-by-step configuration
 Editing of Electronic Birth Certificates
 Documentation of first and as-found configuration
 Documentation as-left configuration
 Reconfiguration for process changes
 Device Maintenance
 Troubleshoot devices with HART[®]
 View device error messages

Certifications

CE mark and optionally intrinsically safe (IS): ATEX intrinsically safe II 1 G; Ex ia IIC T4 Ga (Zone 0)
 cULus listed, Intrinsically Safe, Exia
 Class I, Division I, Groups A, B, C, D : T4
 IECEx UL 13.0004, -10°C < Ta < +50°C, Li = 0, Ci = 0

Ordering Information

Part-No.-Structure: MFC-5150-C

HART[®] Communicator

C	Certification	
S	CE certification	(Standard)
X	ATEX II 1 G; EX ia IIC T4	

Delivery Content

Docking station with Universal Power Adapters, HART[®] Lead Kit, 250 ohm resistor, rechargeable battery pack, USB cable, SD Card, soft carrying case, User's Manual, CD (User's Manual, drivers, documentation, Meriam Software Development Kit)

Part No.	Accessories
MFC- 9P780	SD-Card Micro (minimum 8 GB)
MFC- 9A820-1	Rechargeable battery pack, Li-Ion, 9600 mAh
MFC -9A879	Docking station and Power Adapters – universal plug kit

Further accessories, replacement parts and options on request.