

**NEW!**



**Communicate with ANY registered or non-registered HART-compliant device!**



# Easier. Faster. Affordable!

## MFC5150x Intrinsically Safe, HART®-Compliant Communicator

- Reads manufacturers' DDs in their native format — no translations needed
- HART®-compliant modem communicates with any registered or unregistered HART® Device
- Ergonomic, handheld design
- Enhanced 4.3" diagonal anti-glare touchscreen with color graphic display (no stylus required)
- Full QWERTY keyboard for commissioning new transmitters
- On Demand Help Menus and teachable device-specific short cuts
- More than twice the battery capacity of any handheld communicator
- Manage device information through PC connection
- Integrated multi-language support

The MFC5150 is certified in the following Hazardous locations: • Class I, Division I Group IIC (US/Canada)  
• ATEX Zone 0 Group IIC (Europe) • IECEx Zone 0 Group IIC (Asia, South America, Africa)



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<http://www.instrumentation2000.com/meriam-mfc5150x-intrinsically-safe-hart-communicator.aspx>



The MFC5150x utilizes a Windows™ based system for faster processing and greater storage capacity. Plus, no subscriptions, and with all options standard at no extra cost, it's more affordable than ever. It's the Power of a PC in the palm of your hand!

<b>Display</b>	Type	Transflective Display with anti-glare touch screen (Resistance film)		
	Size Color Pixel Backlight	4.3-inch WQVGA 24bit (16,777,216) TFT color 480 X 272 pixels White LED		
<b>Body</b>	Size	303x142x48 mm [11.9x5.6x1.9 inch]		
	Weight	Approximately 0.95 Kg [2.1 lbs] with battery		
<b>Keyboard</b>	Material Key	Molded Keyboard design with tactile feedback 52 keys including qwerty keys		
<b>Included Accessories</b>	Handy carry case material	Ballistic Nylon; inside material black 420 Nylon		
	HART® leads	Molded banana plug test leads 1 meter long		
	Strap	Wrist strap		
	USB cable CD-ROM	2 meter Type A to USB Type B Manual/Drivers		
<b>Power</b>	Rechargeable Battery	Li-Ion		
<b>Standby/Hibernate</b>	Continuance	10 hours		
	Standard Standby/Hibernate	20 hours 200 hours		
<b>Rechargeable battery</b>	Voltage output	3.7VDC		
	Current capacity Energy capacity Charging time	2000mA 9480mAh 6 hours		
<b>Battery Charger (AC adapter)</b>	Input voltage	100-240VAC 50/60Hz		
	Output voltage	15VDC		
	Output current	1600mA		
	Overcharge protection	Yes		
	LED indication	N/A		
<b>Battery Charger (Cradle)</b>	LED indication	Yes, Tri color LED		
<b>Normal operating Condition</b>	Ambient temp.	+14°F (-10°C) to +122°F (+50°C)		
	Ambient humidity	0% to 95% RH (non-condensing) (for +32°F (0°C) to +122°F (+50°C))		
<b>Storage condition</b>	Ambient temp. with battery	-4°F (-20°C) to +131°F (+55°C)		
	Ambient temp. without battery	-4°F (-20°C) to +150°F (+60°C)		
	Ambient humidity with battery	0% to 95% RH (non-condensing) (for +32°F (0°C) to +122°F (+50°C))		
	Ambient humidity without battery	0% to 95% RH (non-condensing) (for +32°F (0°C) to +122°F (+50°C))		
<b>Charging condition</b>	Ambient temp.	+50°F (+10°C) to +104°F (+40°C)		
	Ambient humidity	0% to 95% RH (non-condensing)		
	Other	Only safety area when charging		
<b>Enclosure Rating</b>	Body	IP51		
<b>Shock condition</b>	Tested to survive a 1 meter drop onto concrete			
<b>HART® connections</b>	Form	Two 4mm banana plugs		
<b>Storage</b>	Media type Capacity	microSD card 4GB Minimum		
<b>USB</b>	Data rate Form	Supporting up to 115 kbps USB B type (receptacle)		
<b>Power supply</b>	AC adapter Form	Wall Adapter Four international inserts (US-U,UK-B,EU-E,AU-A)		
<b>Intrinsic Safety</b>	ANSI/ISA (US)	UL913 Ed7 UL60079-0 Ed5 UL60079-11 Ed5 CSA-C22.2 NO. 157-92(R2012) NO. 60079-0:11 NO. 60079-11:11 EN60070-0:2012 EN60079-11:2012 EN60079-26:2007	CL I, DIV 1, GP A,B,C,D; T4 CL I, ZONE 0, AEx ia IIC T4 CL I, DIV 1, GP A,B,C,D; T4 CL I, ZONE 0, Ex ia IIC T4	
	ANSI/ISA (Canada)			
	ATEX (Europe)		II 1 G Ex ia IIC T4 Ga	
	IECEX (International)	IEC60079-0:2011 Ed6 IEC60079-11:2011 Ed6 IEC60079-26:2006 Ed2		Ex ia IIC T4 Ga
<b>FCC (US), CE (Europe)</b>	FCC (US) CE (Europe) C-tick (Australia) ANSI-ISA	EN61326-1 EN61326-2-3		
	<b>Electrical Equipment Safety</b>	UL (US) ANSI (US) CSA (Canada)  CE (Europe)	UL61010-1 Ed3 UL60950-1 CSA-C22.2 NO. 61010-1-12 EN60950-1	AC Adapter  AC Adapter
<b>Environmental Protection</b>	RoHS WEEE REACH	Directive 2011/65/EU Directive 2002/96/EC Regulation (EC) No 1907/2006		
<b>Transportation</b>	IATA	UN/DOT 38.3	Li-ion Battery	
<b>Field Communication</b>	Host			
<b>Windows™ CE 6.0</b>	Manufacture Revision	Microsoft Windows™ CE Rev3		
<b>External device</b>	FlashROM RAM	NAND 512MByte DDR 256mb		
<b>Languages supported</b>	English, French, Japanese, Italian, Spanish, Chinese, Russian, German			
<b>Applicable Equipment</b>	Registered/unregistered devices in HART FOUNDATION			
<b>HART® protocol revision</b>	HART5, 6, 7			

