

# MFC5150x

## Intrinsically Safe, HART® Communicator

- Free upgrades/downloads for life of the product – no subscriptions!
- Preloaded with over 1400 devices to work with every HART® transmitter in your plant.
- Large 4.3" touchscreen (no stylus required)
- Instant "On"
- Offline Configurations
- Preloaded with 12 languages
- Gesturing similar to that of a smart phone
- On-Demand Help Menus and teachable device-specific short cuts



The MFC5150x 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)



**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 Color Resolution Backlight	Transmissive Display with anti-glare 24 bit TFT color 480 x 272 pixels White LED
<b>Body</b>	Size Weight	11.9 x 5.6 x 1.9 inch [303 x 142 x 48 mm] Approximately 2.1 lbs [0.95 kg] with battery
<b>Keyboard</b>	Material Key	Molded Keyboard design with tactile feedback 52 keys including qwerty keys
<b>Power</b>	Rechargeable Battery	Lithium-Ion
<b>Battery Life at 100% charge</b>	On at 100% backlight Off Storage, battery removed	10 hours minimum 30 days minimum 1 year minimum
<b>Battery Charger (AC adapter)</b>	AC adapter Form  Input voltage Output voltage Output current  Overcharge protection	Wall Adapter Four international inserts (US-U,UK-B,EU-E,AU-A) 100 – 240 VAC 50/60 Hz 15 VDC 1600 mA Yes
<b>Battery Charger (Cradle)</b>	LED indication	Tri-color LED
<b>Environmental Conditions Operating</b>	Ambient temp. Ambient humidity	14 °F to 122 °F (-10 °C to 50 °C) 0% to 95% RH (non-condensing) for 32 °F to 122 °F (0 °C to 50 °C)
<b>Storage</b>	Ambient temp. with battery Ambient temp. without battery	-4 °F to 131 °F (-20 °C to 55 °C) -4 °F to 150 °F (-20 °C to 60 °C)
<b>Charging</b>	Ambient humidity with battery Ambient humidity without battery Ambient temp. Ambient humidity Other	0% to 95% RH (non-condensing) for 32 °F to 122 °F (0 °C to 50 °C) 0% to 95% RH (non-condensing) for 32 °F to 122 °F (0 °C to 50 °C) 50 °F to 104 °F (10 °C to 40 °C) 0% to 95% RH (non-condensing) Charge only in Non-Hazardous areas
<b>Enclosure Rating</b>	Body	IP51
<b>Communication connections</b>	Form	Two banana plugs spaced 3/4 inch
<b>Storage</b>	Media type Capacity	microSD card 4 GB Minimum
<b>USB</b>	Data rate Form	Supporting up to 921.6 kbps USB B type (receptacle)

<b>Intrinsic Safety</b>	ANSI/ISA (US)  CSA (Canada)  ATEX (Europe)  IECEX (International)	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  IEC60079-0:2011 Ed6 IEC60079-11:2011 Ed6 IEC60079-26:2006 Ed2	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  II 1 G Ex ia IIC T4 Ga  Ex ia IIC T4 Ga
<b>EMC</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 2012/19/EU Regulation (EC) No 1907/2006	
<b>Transportation</b>	IATA	UN/DOT 38.3	Li-ion Battery
<b>Field Communication</b>	HART® Communication Host		
<b>Operating System</b>	Microsoft Windows™ CE		
<b>Internal Memory</b>	ROM RAM	512 MB 256 MB	
<b>Supported HART® Communication revisions</b>	HART 5, 6, 7		
<b>Languages supported</b>	Chinese, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Spanish		
<b>Applicable Equipment</b>	All transmitters supporting HART® Communication protocol		
<b>Shock condition</b>	Tested to survive a 39.4 inch [1 m] drop onto concrete		
<b>Included Accessories</b>	Handy carrying case material  Communication leads  Strap USB cable CD-ROM	Ballistic Nylon; inside material black 420 Nylon  Molded banana plug test leads 39.4 inch [1 m] long  Wrist strap  78.7 inches [2 m] Type A to USB Type B  Documentation, Drivers, PC Utility	