MFC5150x

Intrinsically Safe, HART® Communicator

Display showing:

1 Tag	AREA 26
2 Tag Ex	NORTH BL
3 Descriptor	TEMP VALVE 2
4 Message	CHECK DAILY
5 Date	11/27/2013
6 Final asmbly num	0
7 Distributor	Yokogawa
8 Model	YTA110
9 Dev id	9017379
0 -MORE-	

ne ▸ Device setup ▸ Detailed setup ▸ Device information

Device setup
Sensors

Enhanced by the XL Battery

- 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,

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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!

Display	Type Color Resolution Backlight	Transmissive Display with anti-glare 24 bit TFT color 480 x 272 pixels White LED
Body	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
Keyboard	Material Key	Molded Keyboard design with tactile feedback 52 keys including qwerty keys
Power	Rechargeable Battery	Lithium-Ion
Battery Life at 100% charge	On at 100% backlight Off Storage, battery removed	10 hours minimum 30 days minimum 1 year minimum
Battery Charger (AC adapter)	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
Battery Charger (Cradle)	LED indication	Tri-color LED
Environmental Conditions		
Operating	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)
Storage	Ambient temp. with battery Ambient temp. without battery Ambient humidity with battery Ambient humidity without battery	-4 °F to 131 °F (-20 °C to 55 °C) -4 °F to 150 °F (-20 °C to 60 °C) 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)
Charging	Ambient temp. Ambient humidity Other	50 °F to 104 °F (10 °C to 40 °C) 0% to 95% RH (non-condensing) Charge only in Non-Hazardous areas
Enclosure Rating	Body	IP51
Communication connections	Form	Two banana plugs spaced ¾ inch
Storage	Media type Capacity	microSD card 4 GB Minimum
USB	Data rate Form	Supporting up to 921.6 kbps USB B type (receptacle)

Intrinsic Safety	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
EMC	FCC (US) CE (Europe) C-tick (Australia) ANSI-ISA	EN61326-1 EN61326-2-3	
Electrical Equipment Safety	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
Environmental Protection	RoHS WEEE REACH	Directive 2011/65/EU Directive 2012/19/EU Regulation (EC) No 1907/2006	
Transportation	IATA	UN/DOT 38.3	Li-ion Battery
Field Communication	HART® Communication Host		
Operating System	Microsoft Windows™ CE		
Internal Memory	ROM RAM	512 MB 256 MB	
Supported HART® Communication revisions	HART 5, 6, 7		
Languages supported	Chinese, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Romanian, Russian, Spanish		
Applicable Equipment	All transmitters supporting HART® Communication protocol		
Shock condition	Tested to survive a 39.4 inch [1 m] drop onto concrete		
Included Accessories	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	

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