Time Electronics

HC-5150 Intrinsically Safe HART Communicator

Features

- Reads manufacturers' DDs in their native format
- Modem communicates with registered or unregistered HART® devices
- Ergonomic, handheld design
- 4.3" diagonal anti-glare touchscreen with color graphic display
- 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 throughPC connection
- Integrated multi-language support

Ordering Information

HC-5150: HART Communicator (IS) with accessories

Includes Docking Station with Universal Power Adapters, HART Lead Kit, 250 ohm Resistor, Rechargeable Battery Pack, USB Cable and SD Card, Soft Carrying Case, Hand Strap, User's Manual, CD.

Display	Type	Transflective Display with anti-glare touch screen (Resistance film)
	Size	4.3-inch WQVGA
	Color	24bit (16,777,216) TFT color
	Pixel	480 X 272 pixels
	Backlight	White LED
Body	Size	303×142×48 mm [11.9×5.6×1.9 inch]
	Weight	Approximately 0.95 Kg [2.1 lbs] with battery
Keyboard	Material	Molded Keyboard design with tactile feedback
	Key	52 keys including qwerty keys
Included Accessories	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	2 meter Type A to USB Type B
	CD-ROM	Manual/Drivers
Power	Rechargeable Battery	Li-Ion
Standby/ Hibernate	Continuance	10 hours
	Standard	20 hours
	Standby/Hibernate	200 hours
Rechargeable battery	Voltage output	3.7VDC
	Current capacity	2000mA
	Energy capacity	9480mAh
	Charging time	6 hours
Battery Charger (AC adapter)	Input voltage	100-240VAC 50/60Hz
	Output voltage	15VDC
	Output current	1600mA
	Overcharge protection	Yes
	LED indication	N/A
Battery Charger (Cradle)	LED indication	Yes, Tri color LED
Normal operating Condition	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))
Storage condition	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))

Enclosure Rating	Body	IP51	
Shock condition	Tested to survive a 1 meter drop onto concrete		
HART® connections	Form	Two 4mm banana plugs	
Storage	Media type	microSD card	
	Capacity	4GB Minimum	
USB	Data rate	Supporting up to 115 kbps	
	Form	USB B type (receptacle)	
Power supply	AC adapter	Wall Adapter	
	Form	Four international inserts (US-U,UK-B,EU-E,AU-A)	
Intrinsic Safety	ANSI/ISA (US)	UL913 Ed7 UL60079-0 Ed5 UL60079-11 Ed5	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
	ANSI/ISA (Canada)	CSA-C22.2 NO. 157-92(R2012) NO. 60079-0:11 NO. 60079-11:11	CL I, ZONE 0, Ex ia IIC T4
	ATEX (Europe)	EN60070-0:2012 EN60079-11:2012 EN60079-26:2007	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
FCC (US), CE (Europe)	FCC (US) CE (Europe) C-tick (Australia) ANSI-ISA	EN61326-1 EN61326-2-3	
Electrical Equipment Safety	UL (US) ANSI (US) CSA (Canada)	UL61010-1 Ed3 UL60950-1 CSA-C22.2 NO. 61010-1-12	AC Adapter
	CE (Europe)	EN60950-1	AC Adapter
Environmental Protection	RoHS WEEE REACH	Directive 2011/65/EU Directive 2002/96/EC Regulation (EC) No 1907/2006	
Transportation	IATA	UN/DOT 38.3	Li-ion Battery
Field Communication	Host		
Windows™ CE 6.0	Manufacture Revision	Microsoft Windows™ CE Rev3	
External device	FlashROM RAM	NAND 512MByte DDR 256mb	
Languages supported	English, French, Japanese, Italian, Spanish, Chinese, Russian, German		
Applicable Equipment	Registered/unregistered devices in HART FOUNDATION		
HART® protocol revision	HART5, 6, 7		

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

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