

General Specifications

Model YHC5150X FieldMate Handheld Communicator

The YHC5150X FieldMate Handheld Communicator is the latest Intrinsically Safe HART® communicator from Yokogawa Corporation of America. All HART® field devices can be configured, polled, and trimmed utilizing a Windows-Embedded CE™ based system for faster processing and greater storage capacity. In addition, all options are standard, and no subscription is required. The YHC5150X is a full function, DD Direct, HART® Communicator supporting Universal, Common Practice and Device Specific commands for commissioning, configuration, and maintenance operations.

FEATURED FUNCTIONS

- Reads manufacturers' DDs in their native format without the need for translations
- HART®-compliant modem communicates with any registered or unregistered HART® Device, including HART® 6 and 7
- Features an 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
- Integrated multi-language support

STANDARD SPECIFICATIONS MODEL YHC5150X

Processor and Memory:

Microprocessor: 1 GHz
Memory Internal Flash: 512 MB
System Card: Up to 64 GB secure digital card (4 GB installed)
RAM: 256 MB

Physical:

Weight: Approximately 2.1 lbs (.91 Kg) with battery
Display: ¼ VGA (480 X 272 pixels) color, 4.3 (10.9 cm) transfective display with anti-glare Touch screen
Size: 303x142x48 mm [11.9x5.6x1.9 inch]
Keypad: 52 keys including QWERTY keys 12 alphanumeric keys, tab key, backlight key, Power key, and 4 cursor-control (arrow) keys; Membrane design with tactile feedback

Power Supply / Charger:

Battery: Rechargeable Lithium-Ion power module
Battery Operating Time: 10 Hours – continuous use
20 hours – typical use, 100 hours – standby/hibernate
Battery Charger: Input Voltage 100-240 VAC, 50-60 Hz, Asian Adapters included US, European, and UK.

Connection:

Battery Cradle
HART®: Two 4mm banana plugs
(One common to HART®)
USB: Supporting up to 115 kbps

Environmental:

Usage: +14°F (-10°C) to +122°F (+50°C)
0% to 95% RH (non-condensing) (for +32°F ; 0° C) to +122°F (+50°C)
Charge: +50 °F (+10 °C) to +104 °F (+40 °C)
Storage: With Batteries -4°F (-20°C) to +131°F (+55°C)
Without Batteries -4°F (-20°C) to +150°F (+60°C)
Enclosure Rating: IP51
Shock: Tested to survive a 1 meter drop onto concrete

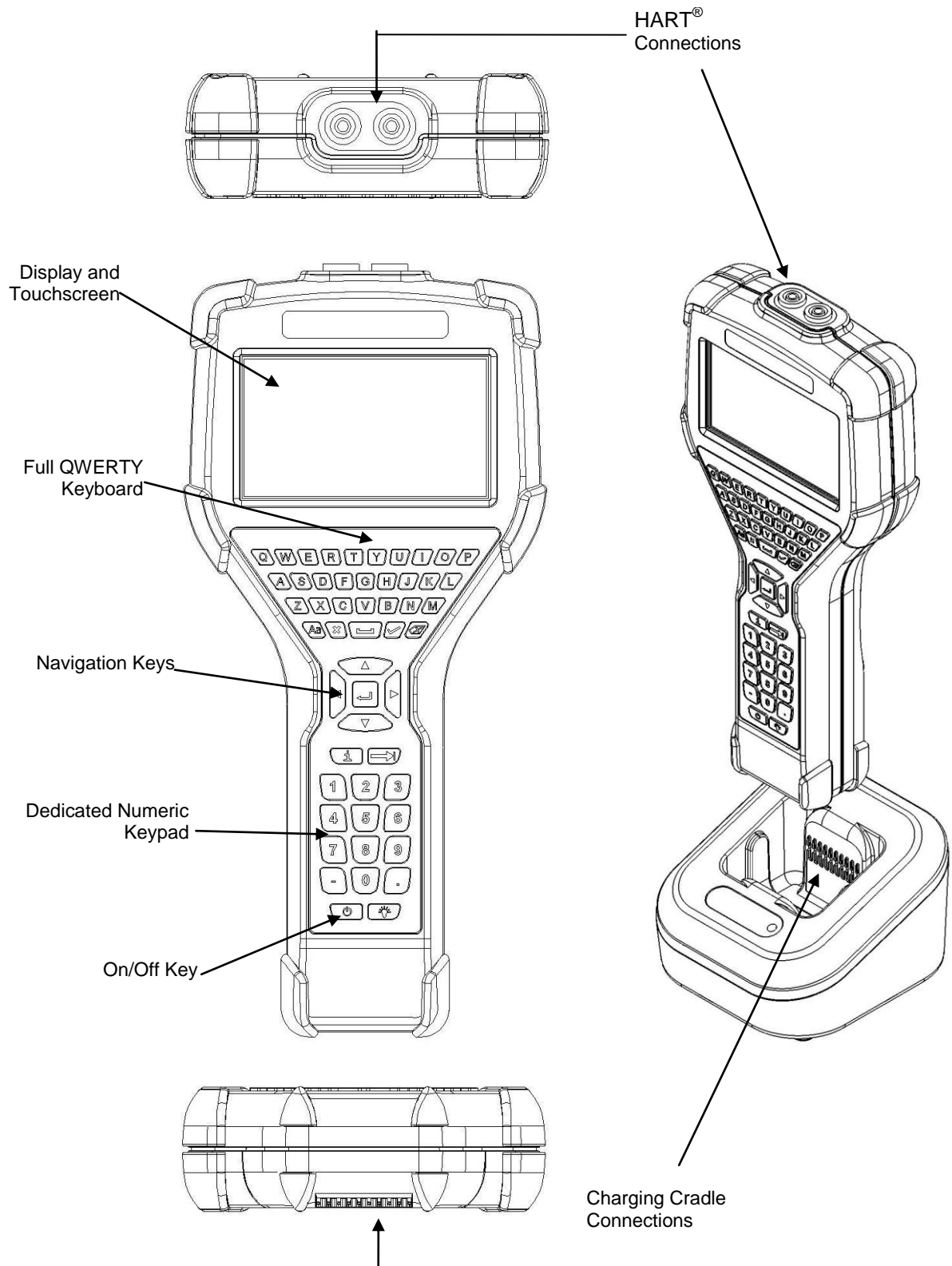
Shipping Weight:

5 lbs (2.3 Kg) ; Varies by option

Certification:

Class I, Division I Group IIC (US/Canada) ATEX Zone 0
Group IIC (Europe) IECEx Zone 0 Group IIC (Asia, South America, Africa)





YHC5150X FieldMate Handheld Communicator

YHC5150X	FieldMate Handheld Communicator
	Standard Option
-01	Includes: Docking Station w/ Universal Power Adapter, HART® Test Lead Kit (Standard banana plugs, Mini-grabbers, 250 Ohm resistor), Rechargeable Battery, USB Cable, FieldMate Carrying Case, Hand Strap, SD Card, and Software (CD-ROM)

Example Part Number: YHC5150X-01

YHC5150X Accessories

9A879	Docking Station w/ Universal Power Adapter (100 VAC to 240 VAC, 50-60 Hz)
A900529-00014	HART® Test Lead Kit - Standard banana plugs, Mini-grabbers, 250 Ohm resistor
A36821	Resistor - Std size 250 ohm shunt (req'd for HART® low resistance loops)
9A820-1	Rechargeable Battery 9600mAh Li-Ion
9P802	USB Cable - Communication from Docking Station to PC
9P790	FieldMate Carrying Case - Custom soft case with integrated HART® lead compartment
9P791	Hand Strap - Equipment protection equipment
9P780	SD Card - Micro

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