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) transflective display with anti-glare
touch screen
Size: 303 x 142 x 48 mm [11.9 x 5.6 x 1.9 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 1, Groups A,B,C,D; T4 (cULus)
II 1G Ex ia IIC T4 Ga (ATEX)
Ex ia IIC T4 Ga (IECEx)
YHC5150X FieldMate Handheld Communicator

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<tr>
<th>YHC5150X</th>
<th>FieldMate Handheld Communicator</th>
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<tr>
<td></td>
<td><strong>Standard Option</strong></td>
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<tr>
<td></td>
<td>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)</td>
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Example Part Number: YHC5150X

YHC5150X Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
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<tr>
<td>1W-9A879</td>
<td>Docking Station w/ Universal Power Adapter (100 VAC to 240 VAC, 50-60 Hz)</td>
</tr>
<tr>
<td>1W-A900529-00014</td>
<td>HART® Test Lead Kit - Standard banana plugs, Mini-grabbers, 250 Ohm resistor</td>
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<tr>
<td>1W-A36821</td>
<td>Resistor - Std size 250 ohm shunt (req’d for HART® low resistance loops)</td>
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<tr>
<td>1W-9A820-1</td>
<td>Rechargeable Battery 9600mAh Li-Ion</td>
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<td>1W-9P802</td>
<td>USB Cable - Communication from Docking Station to PC</td>
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<td>1W-9P790</td>
<td>FieldMate Carrying Case - Custom soft case with integrated HART® lead compartment</td>
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<tr>
<td>1W-9P791</td>
<td>Hand Strap - Equipment protection equipment</td>
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<tr>
<td>1W-9P780</td>
<td>SD Card - Micro</td>
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<tr>
<td>1W-9P822</td>
<td>YHC5150X Series battery charger power cord (included w/ unit)</td>
</tr>
<tr>
<td>1W-9P823</td>
<td>7/64&quot; Hex key wrench (included w/ unit). Fits the battery pack screws.</td>
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For more information, please visit us at [www.yokogawa.com/us](http://www.yokogawa.com/us)

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