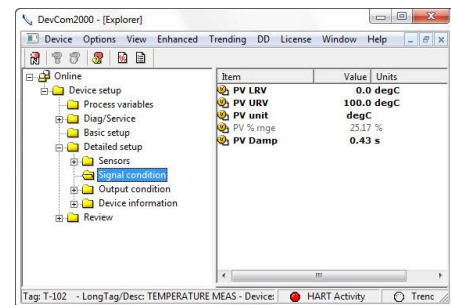# HART Communicator Conversion for Windows PCs (COM-PC) Datasheet
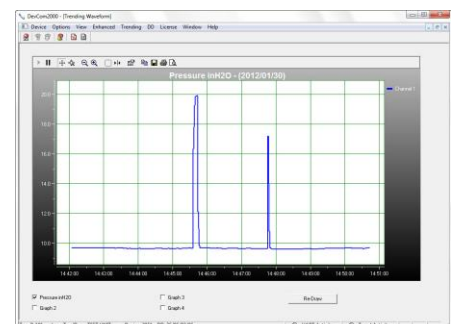
Product Description

HART Communicator Conversion for Windows PCs (COM-PC) is everything you need to turn a Windows PC/Laptop/Tablet into a HART Communicator. It is the most cost-effective HART configuration solution available.

If you have a Windows PC/Laptop/Tablet and want to configure HART Transmitters / HART Devices / HART Instruments, this HART Communicator Conversion for Windows PCs will enable you to do it quickly and easily.

Benefits:

- Complete configuration of all HART, HART-IP and *Wireless*HART devices using your Windows PC/Laptop/Tablet
- Supports HART DD files directly, no modified/special DD's required. You can add new HART devices just by adding the DD file without having to pay any update/maintenance charges
- Create and save HART device configuration templates for easy configuration of batches of HART devices (HART device cloning). Templates can also be shared with all our HART Communicators (Windows PC/Laptop/Tablet and Android Phone/Tablet)
- Document HART device configurations in PDF or TXT format. Provides reports/audit trails of HART device configurations
- Monitor and trend/graph any device parameter (e.g. PV, Multi-Variables, Device Status, etc)
- View and edit device variables. Device writes can be made in batches to speed up device configuration, hence saving time if several variables need to be changed

- Access *Wireless*HART devices via Ethernet/WiFi connection to your *Wireless*HART Gateway

- Supplied with an isolated USB HART Modem to help protect your computer equipment from potentially damaging voltages when connecting to field devices. Supports all HART Modems: RS232 (Serial) HART Modems, USB HART Modems and Bluetooth HART Modems

Features:

- Supports all HART devices including HART 7, HART-IP and *Wireless*HART

- Windows Explorer menu layout

- Device menu structure is easy to navigate

- Get to the information you want quickly

- Communication and Event Logs

- Complies with new EDDL (Enhanced DDL) standard (IEC 61804-3)

- Comes with all the latest registered DD's from the HART Foundation

- Complete access to all features of the device DD including Methods

- Full documentation and free support provided

- 1 Year warranty

- Guaranteed to work with Windows 32 and 64 bit: XP, Vista, 7, 8, 8.1 and 10

We provide (included):

1. HART Communicator Conversion for Windows PCs (called "COM-PC"). This product consists of software for a Windows PC/Laptop/Tablet (called DevCom2000), a USB HART Modem (called HM-USB-ISO), and 5 HART Shunt / Loop resistors

2. The software is protected by a software license key. You will receive a license key entitling installation on a single Windows PC/Laptop

3. A CD containing:
   - Windows HART Communicator software installation files (DevCom2000)
   - USB HART Modem Windows virtual serial port driver installation files
   - Software to easily test if the USB HART Modem has been installed and configured correctly
   - User Manual

4. You will additionally be sent any HART DD library updates issued by the FieldComm Group (formerly the HART Communication Foundation) for a period of 12 months after your purchase. Typically, the FieldComm Group issues updates every 3 – 6 months. After 12 months we will stop automatically

sending you updates, however, you can freely download any DD updates from the "supplier product catalogue" of the FieldComm Group's HART website, www.hartcomm.org

You will need (i.e. not included):

1. A PC/Laptop/Tablet with a USB port and Windows 32 or 64 bit: XP, Vista, 7, 8, 8.1 or 10
2. If configuring WirelessHART devices you will need a *Wireless*HART Gateway
3. A HART device/transmitter to configure (obvious, but we thought we should mention it)
   - A way of powering the HART device you want to configure, typically 24Vdc

Specifications (Software DevCom2000):

System Requirements (minimums)

Operating System	Windows 32 and 64 bit versions: NT, 2000, XP, Vista, 7, 8, 8.1, and 10
Processor Speed	Pentium, 600 MHz
Memory	256 MB
Hard Disk Space	500 MB
Monitor	256-color VGA
Communication Port	USB if using a HART Modem. Wi-Fi or Ethernet for HART-IP and *Wireless*HART®
HART Modem	USB HART Modem (HM-USB-ISO) is supplied. A HART modem is not required if using HART-IP or *Wireless*HART®. Bluetooth or RS232 HART modems can also be used (HM-BT-BAT-ER, HM-RS232-ISO, or similar).

Device Descriptions (DD's)

DD Library	Includes HART Communication Foundation's latest release
Generic DD	Included
Number of devices	>1382 (call for latest information if details required)
DD Updates	Quarterly updates are sent to you automatically for 1 year. Thereafter updates are manually available free of charge from www.hartcomm.org

Specifications (USB HART Modem HM-USB-ISO):

Cables

HART Cable Length	1.2 m
HART Cable Connectors	Mini-Grabber
USB Cable Length	0.5 m
USB Cable Connector	USB Type A

HART

Interface	Capacitive and transformer coupling
Output	600 mVpp
Leakage	< 10 uA
Isolation Voltage	1500 Vdc
Connections	Across loop resistor or HART field device
Specifications	HART 4, HART 5, HART 6, HART 7, HART Physical Layer Spec HCF_SPEC-54
HART Foundation	Registration Number L2-06-1000-070

USB

Specifications	USB 1.1, USB 2.0, backward compatible with USB 3.0 and SS USB
Power	USB port provides power to unit
Current Draw	20mA

Environmental

Operating Temperature	0 deg.C to 50 deg.C
Storage Temperature	-40 deg.C to 85 deg.C
Humidity	0% to 99% (non-condensing)

Compliances

CE Certification	EN 61326 (EMC)

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