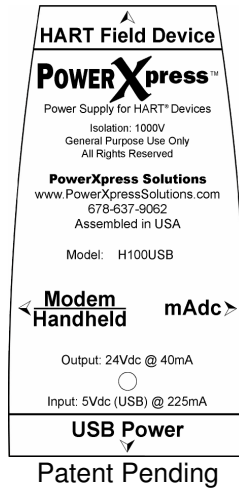


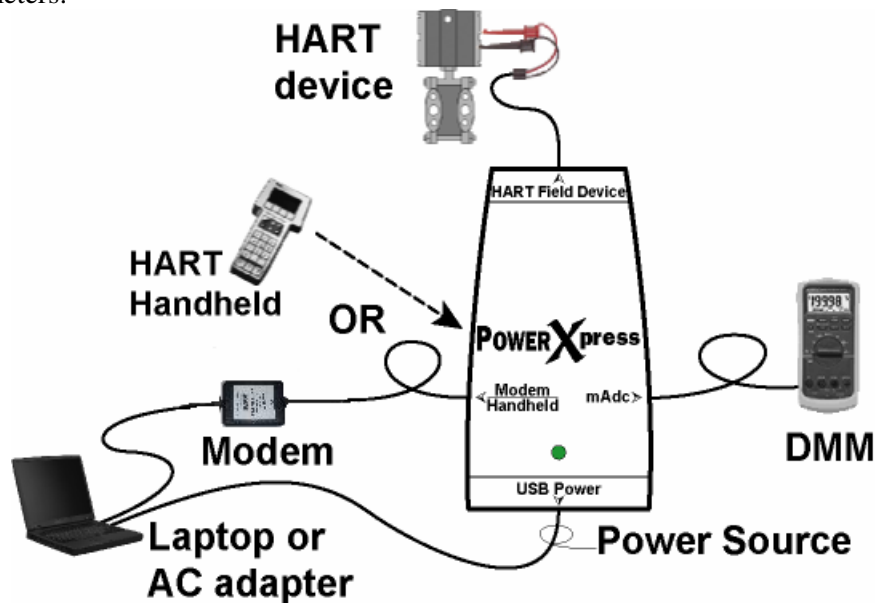
PowerXpress HART® Power Supply



Thank you for purchasing the PowerXpress HART® field device power supply. This power supply was designed to simplify the testing, troubleshooting, and configuration of HART® field devices.

The PowerXpress utilizes the power available from your Laptop PC's USB 2.x port and converts it to 24Vdc to provide 2-wire power for HART® field devices. The power supply includes the necessary HART® communication load resistance and provides a quick modem and/or milliamp meter connection. With this setup, all the necessary connections to the device are made with a single pair of mini-grabbers. See the hook-up diagram on the back page.

The modem is quickly connected to the PowerXpress with standard banana jacks (adapter kit included), while the milliamp meter is connected using the standard probe tips included with most milliamp meters.





Connecting the PowerXpress

There are 4 connections available on the PowerXpress:

- 1) **USB Power** – Connect the USB A plug to an available USB A port on your PC. (Powered USB 2.x compatible port required.) When power is applied, the green power on light will illuminate.
- 2) **HART® Field Device power** – Connect the red (+) & black (-) mini-grabbers to the device power terminals to power the 2-wire HART field device. Red = + 24Vdc, Black = gnd.
- 3) **HART® modem** – Connect the HART® modem or HART® handheld communicator to the PowerXpress using the integral banana jacks (black). Note: If your modem or handheld does not have banana plugs, please use the included banana plug adapter kit.
- 4) **Milliamp meter** – Connect a milliamp meter to the test jacks (red/black) to measure the milliamps output from the device.

The PowerXpress is designed to power one device at a time. The mini-grabbers allow you to quickly move from one device to the next with an absolute minimum of setup time. This is particularly valuable when setting up numerous devices on the bench, for example.

The PowerXpress may be powered by any USB 2.x compatible power source.

Banana Plug/Mini-grabber adapter kit included

The PowerXpress is designed to allow quick connection of either a HART® modem or handheld communicator using banana plugs. We've included an adapter kit that will allow you to add banana plugs to your modem or handheld if necessary.

Cut off the existing modem mini-grabbers; attach the included banana plugs tighten the screw on the wire and install the strain release. Use these plugs to connect to the PowerXpress or connect the included mini-grabbers for conventional mini-grabber connection.

If you prefer not to replace your mini-grabbers please use the included Quick Connect Access Pins to convert the included banana plugs to test points for your mini-grabbers.

Warranty: 1 year from date of purchase, limited to workmanship and materials.

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