



## Quick Install Guide

### This Quick Install Guide is applicable for the Quadrant™ 640/700.

A copy of this Quick Install Guide, the Quadrant™ 640/700 HART manual, and the technical product instruction manual are included on the digital communication information CD included in your shipment. This information is also available for [download](#).

The HART Communication Protocol is an acronym for Highway Addressable Remote Transducer). The HART Protocol makes use of the 220 Frequency Shift Keying (FSK) standard to superimpose digital communication signals at a low modulation rate of the 4-20mA current loop. HART to point-to-point digital and multi-drop (digital only) modes are supported. The 640/700 Device description (DD) file can be downloaded [here](#). For gateway, monitoring, testing, and quarterly variable flow have been configured at the factory.

### Connecting to the HART Network

You will need the following to connect HART to your device:

1. HART enabled 640/700 flow meter
2. HART 375 or 475 communicator or personal computer (PC) equipped with a HART module
3. A power supply for the flow meter rated at 24 VDC, at 10% to 144% maximum

#### Installation Steps

1. Connect the flowmeter to the HART communicator or PC, to the 4-20 mA loop.
2. Power up the flow meter using terminal 1 and 2.
3. Start the communicator or PC, to collect and view the available variables.

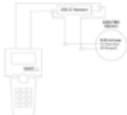


Figure 1: Typical point-to-point application with gateway to PC network



Figure 2: Multi-drop digital signal with 4-20mA variable flow meter. For a detailed description of the HART digital signal, see the HART manual.

### Online Menu

The top-level menu of the HART communicator is presented below.