

USB HART Configurator PEK901



General Description

This Interface allows you to calibrate and configure the settings of PEK Temperature and Pressure HART Transmitters TT301H, TT401H and TT501H series. All programmable options such as sensor type and input range can be set and read through this interface and corresponding software. Also input sensor signal and loop current calibration could be performed for all transmitter types.

PEK901 operates on low power, is isolated, and fully HART compliant. It draws power from the USB port and requires no external power supply. The Interface operates on as little as 30 mA of USB supplied power, well within the capabilities of all PCs. The Interface adheres to the USB 2.0 standard.

PEK901 is enclosed in a small, rugged plastic or aluminum case, suitable for the industrial environment. You connect the interface to your computer with a short integral cable terminating in a USB A connector, and connect to field devices with an integral cable terminating in two test clips.

General Description

PEK901 USB-HART is designed for HART transmitter developers and users.

- It is fully compliant any HART instrument with a PC.
- Galvanic isolation

Performance

- Economical and easy-to-use
- Galvanic isolation
- Transmit/Receive LED indicators
- No external supply required

Application

- Any HART instrument PC

Technical Specifications

Hardware and Software Requirements

- USB HART Interface, Model PEK901
- Computer or Laptop with one or more USB ports
- Windows operating system software:
 - Windows 98 second edition
 - Windows ME
 - Windows 2000
 - Windows XP
- PEK Interface Installation CD with PEK USB HART Interface Software Driver, software utilities and documentation
- HART application software for communication with HART instruments

Electrical Specifications

Power Supply: No external supply required. Interface is powered via the USB port.

Supply Current: 30mA @ 5V

Connections:

Computer: standard IBM-PC compatible mini USB connector

HART: 2 wire twisted pair cable

Output level: Fully HART compliant 0.5 +/- .1Vpp trapezoidal wave@1200/2200 Hz.

Isolation: 1500VDC isolation between instrument & computer.

Electrical Specifications

Temperature

Operating: 0° C to 50° C (32° F to 122° F)

Storage: -40° C to 85° C (-40° F to 185° F)

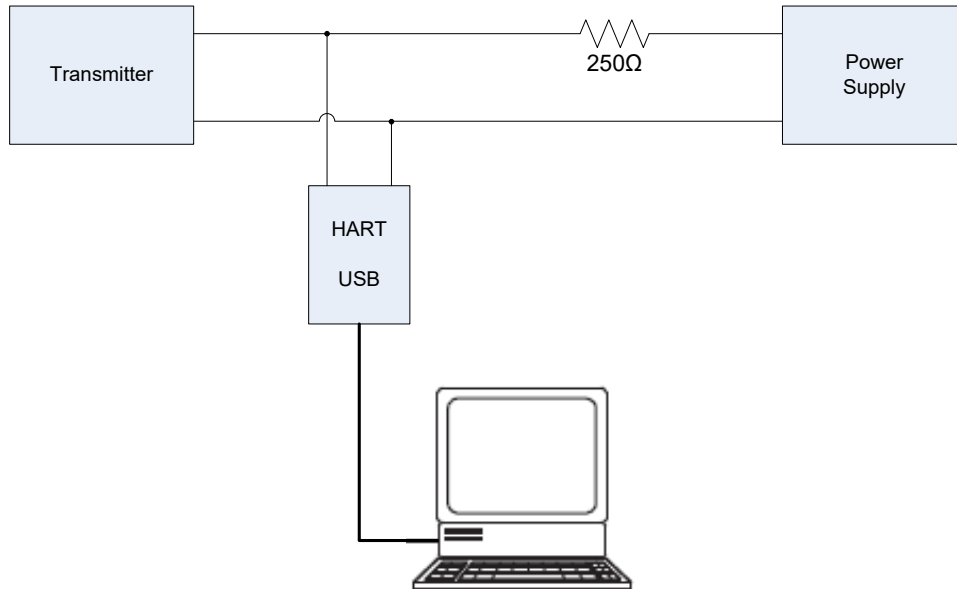
Humidity: 0% to 95% relative humidity (non-condensing).

Physical Dimensions

Enclosure Material: Plastic or aluminum

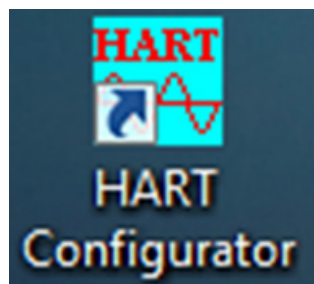
Installation Guidelines

This interface is connected to a laptop or PC through a mini USB cable from one side and is connected to HART device through a simple 2 wire twisted pair cable from another side



Installing HART Configurator software

From setup folder in CD-ROM run setup.exe file and follow the instructions to complete the installation of HART Configurator software. After a successful installation the HART Configurator shortcut will be created in desktop as below.



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