

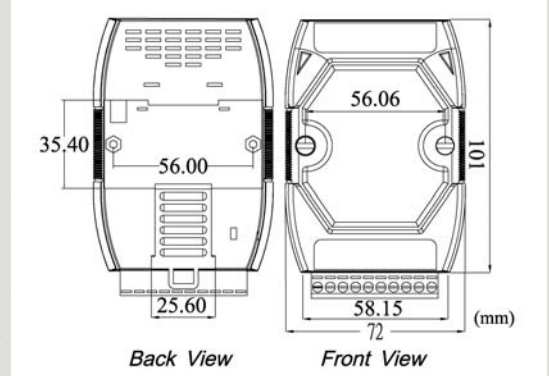


HART Series Products

Serial to HART Converter



I-7570

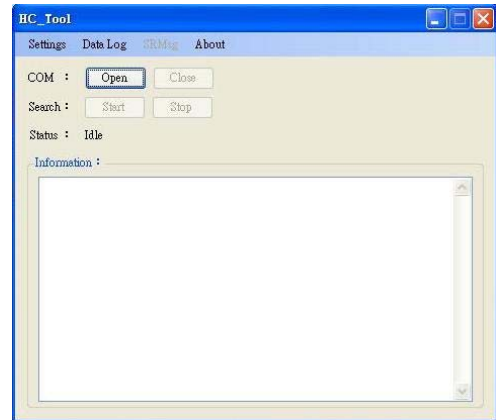


Dimensions

The I-7570 is a Serial to HART converter designed as the master device of HART protocol. It allows users to access the HART slave by using RS-232 / RS-422 / RS-485. These HART slave devices may be a transmitter, actuator, current output device and so forth. In addition, by using the I-7570 utility tool, users can configure module and test HART communication easily and quickly.

Features

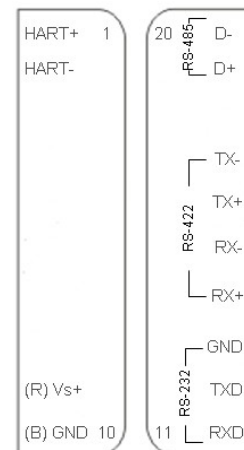
- Support HART Short/Long frame
- Support HART Burst mode.
- Support point-to-point or multi-drop HART mode.
- Support connecting up to 15 HART slave devices.
- Allow two HART masters.
- Provide utility tool for module configuration and HART communication.
- Provide PWR / TxD / RxD indication LED
- Isolated COM 1: RS-232 / RS-422 / RS-485
- 4kV ESD Protection
- Built-in Watchdog
- Selectable 250Ω load resistor



Utility Features

- Provide module configuration and HART communication easily and quickly.
- Provide HART devices search automatically.
- Provide diagnostic Information of HART device.
- Provide data logging for HART communication.

Pin Assignments



Hardware Specifications

UART Interface

COM 1	RS-232 (Tx / Rx / GND) / RS-422 / RS-485
COM 1 Connector	9-pin screwed terminal block
Baud Rate (bps)	115200
Data Format	O(odd parity), 8(data bit), 1(stop bit)

HART Interface

HART Interface	2-pin screwed terminal block
HART Channel	1

LED

Round LED	PWR / TxD / RxD
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Power

Power supply	Unregulated +10 ~ +30 VDC
Protection	Power reverse polarity protection, Over-voltage brown-out protection
Power Consumption	Maximum : 1W

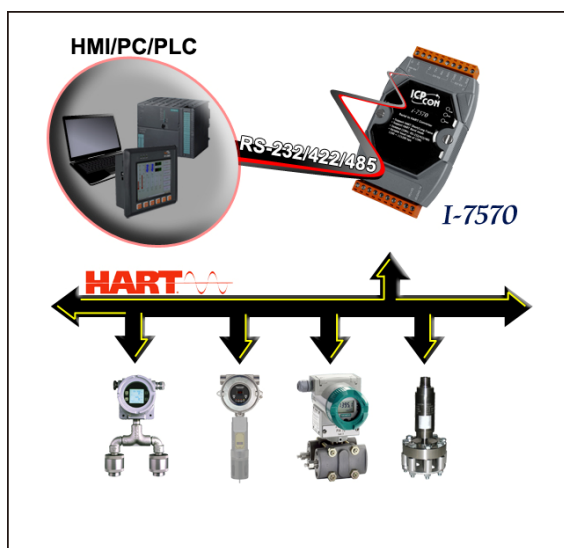
Mechanism

Installation	DIN-Rail or Wall Mounting
Dimensions	121mm x 72mm x 35mm (H x W x D)

Environment

Operating Temperature	-25 to 75 °C
Storage Temperature	-30 to 75 °C
Humidity	5 to 95% RH, non-condensing

Applications



Ordering Information

I-7570 CR

Serial To HART Converter (Gray Cover) (RoHS)