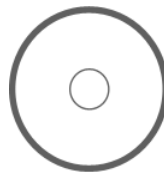


What's in the box?

In addition to this guide, the package includes the following items:



HRT-370



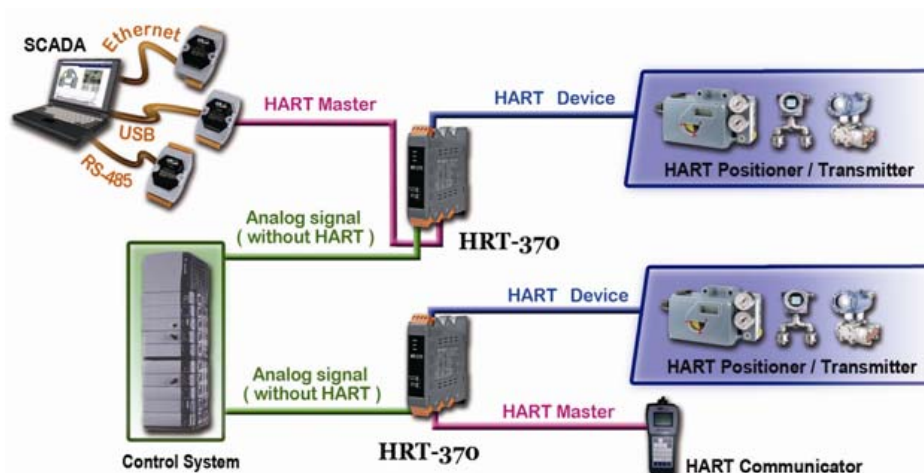
CD



**Screw Driver
(1C016)**

1 Application Structure

The HRT-370 module is a HART signal Filter. When connecting HRT-370 to a HART instrument, it splits the HART slave signal to two channels, one keeps the original HART signal and another filters the HART digital signal out to output a pure analog signal. Therefore, users can make both HART and analog current data collection and processing easier and more precise by applying HRT-370 in the HART network.

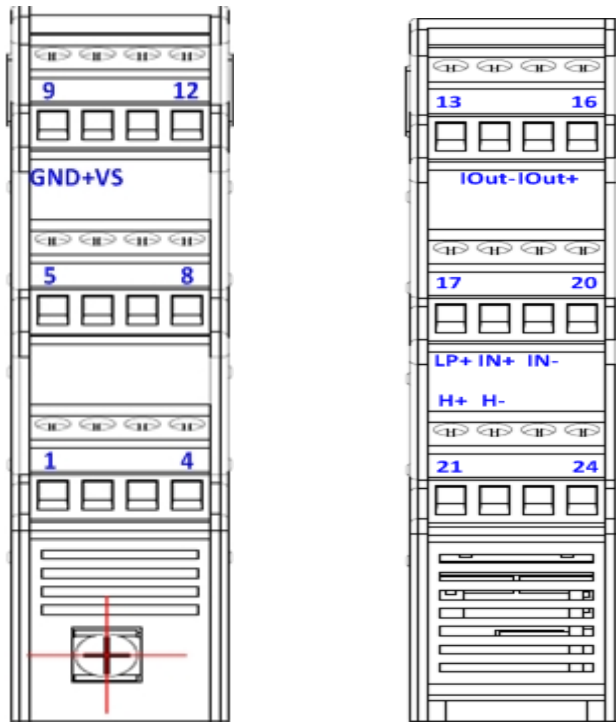


2 Appearance



No.	Description
1	LED indicators (PWR, HART, AO)
2	Power connector (+VS, GND)
3	Analog Output connector (Iout+, Iout-)
4	HART Slave Device connector (LP+, IN+, IN-)
5	HART Master Device connector (H+, H-)

3 Wire connections and pin assignments



Top View

Bottom View

Pin	Name	Description
9	GND	Power +10 ~ +30 VDC
10	+VS	
14	Iout-	AO
15	Iout+	
17	LP+	HART Slave
18	IN+	
19	IN-	
21	H+	HART Master
22	H-	

4 LED Indicator

There are 3 LEDs display on the front of HRT-370:

- (1) PWR: indicates module power status
- (2) HART: indicates communication status of HART
- (3) AO: indicates analog output status

The below table listed the description of LEDs status.

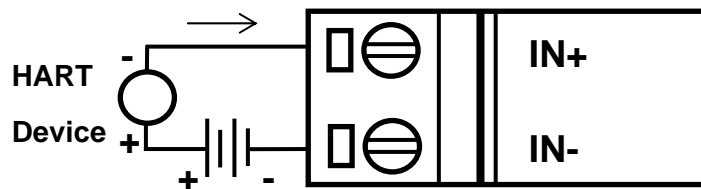
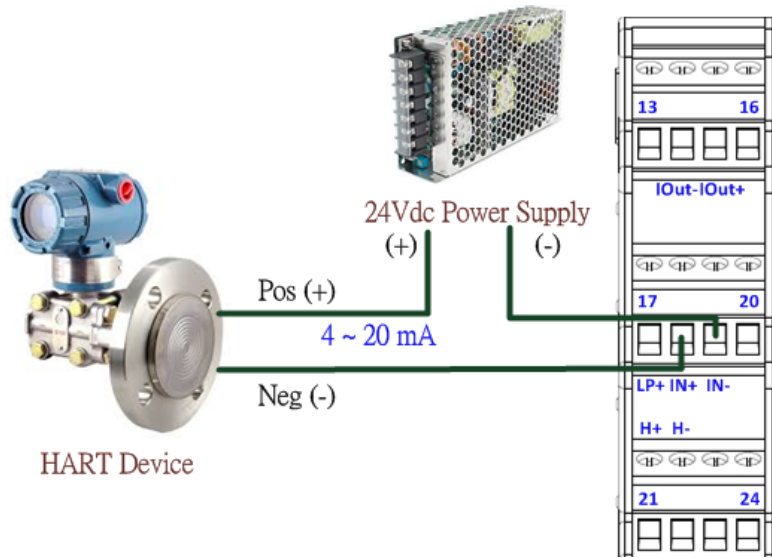


LED Name	LED Status	LED Description
Power	ON	Module power supply normally
	OFF	Module power supply failed
HART	ON	HART slave device connected
	OFF	HART slave device disconnected
AO	ON	Analog output loop connected
	OFF	Analog output loop disconnected

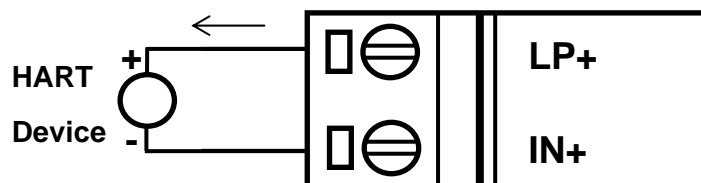
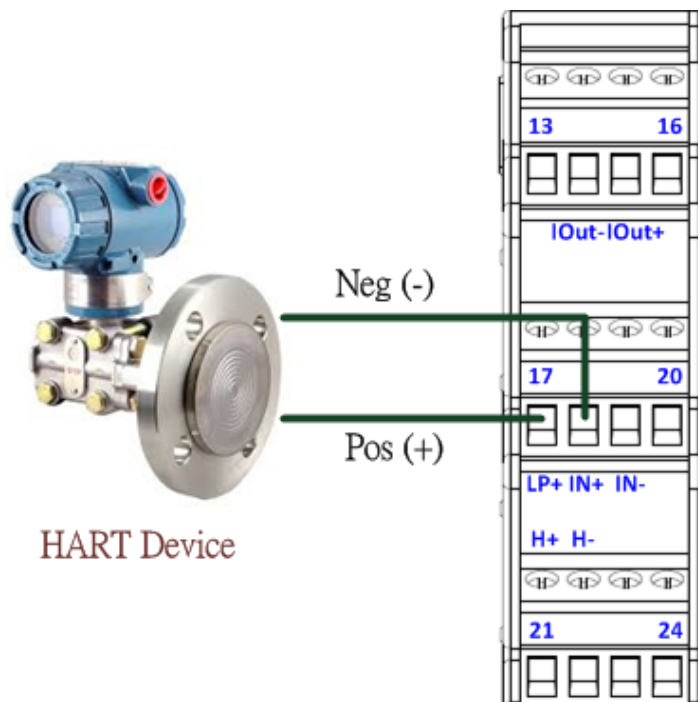
5 Wiring

[HART input wiring : (HRT-370 has built-in 250 Ω resistor)]

(1) External Power:

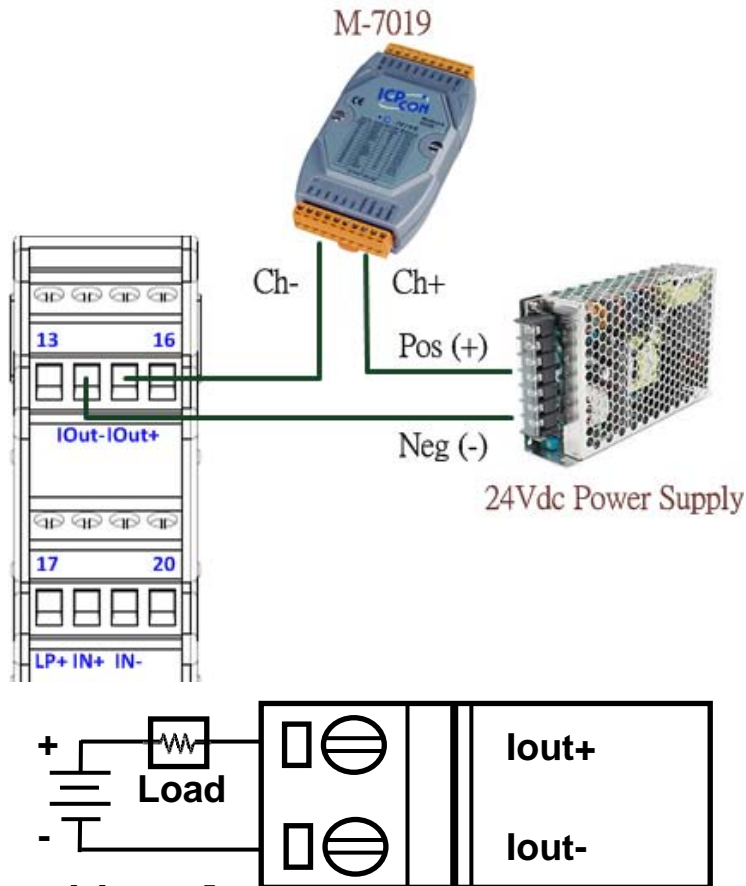


(2) Module Loop Power : (HRT-370 supports to provide +30V)



[Analog Output wiring]

M-7019 is using as an example of AI module to connect with HRT-370.



[HART Output wiring]

HART gateways or converters can be connected with HRT-370 to exam HART communication

