

HASTINGS INSTRUMENTS

HFM-300/301/305

HFC-302/303/307

QUICK START GUIDE

README FIRST!

3. Operation

- Insure flow connections are leak free.
- Insure electrical connections are correct.
- Apply power. Allow 5 minutes for the instrument to stabilize and note that the output signal decays toward zero.
- To zero the instrument, allow 30 minutes to one hour for warm-up time
- Pass 20% flow (~1VDC output) through the instrument for 5 minutes.
- Stop flow and insure that there is no leakage.
- Wait 2 minutes, then adjust the zero potentiometer.

1. Unpacking and Inspection

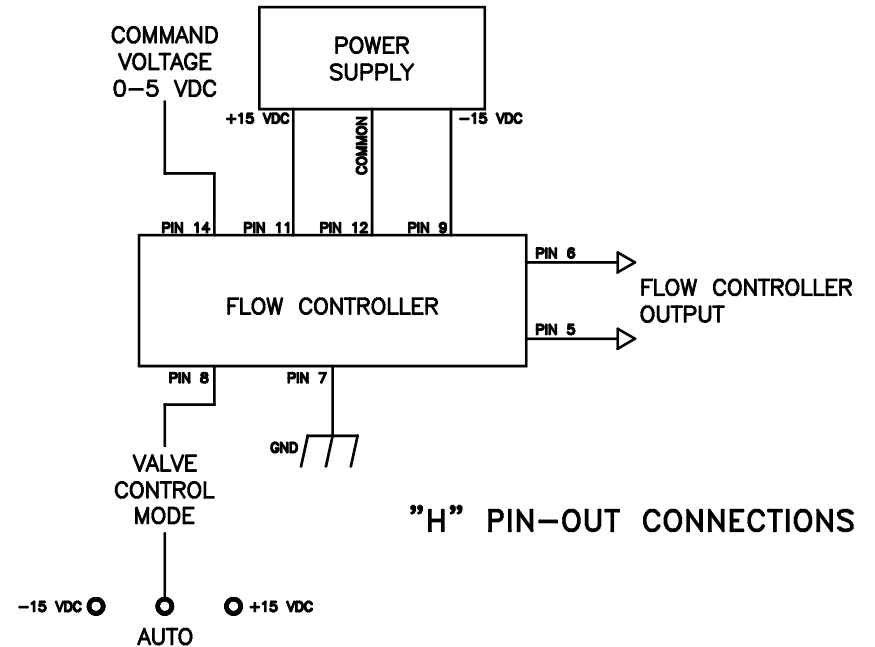
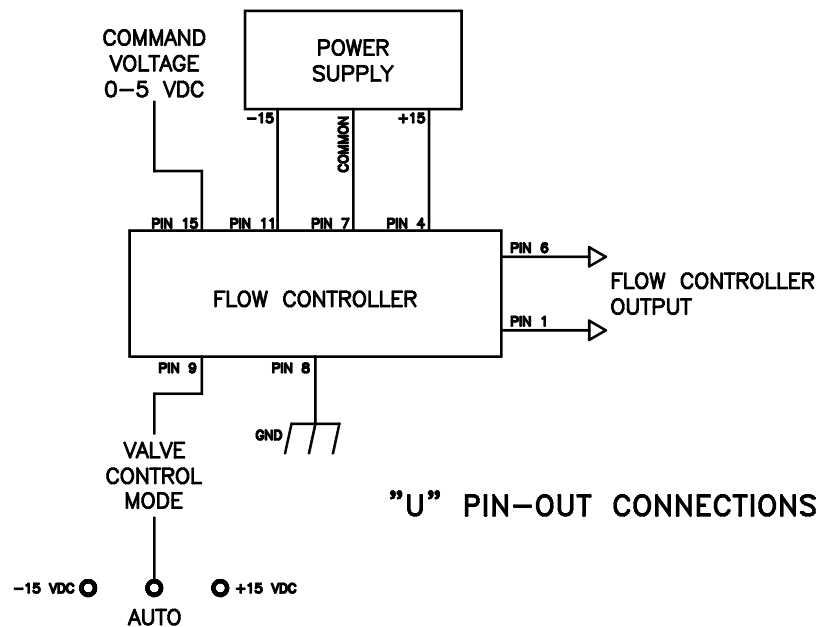


- Unpack and Inspect all items for any obvious signs of damage due to shipment. Immediately advise the carrier who delivered the shipment if any damage is suspected.
- Insure that all parts are present (e.g. flow meter, power supply, cable, etc.)
- Insure that instrument options are correct (e.g. output, range, gas, pin out, etc.)

ISO 9001
CERTIFIED

 **TELEDYNE**
HASTINGS INSTRUMENTS
A Teledyne Technologies Company

2. Cable Connections



Pin #	
1	Signal Common
2	Do not use
3	Do not use
4	+15 VDC
5	
6	Output 0-5 VDC (4-20mA)
7	Signal Common
8	Case Ground
9	Valve Override
10	
11	-15 VDC
12	External Input
13	Signal Common
14	Signal Common
15	Set Point 0-5 VDC (4-20mA)

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- If not using Hastings power supply and cable, use a regulated supply capable of +/- 15VDC @ 150mA for a flow controller or +/- 15VDC @ 55mA for a flowmeter.

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