

GE
Measurement & Control

PanaFlow HT

Quick Start Guide



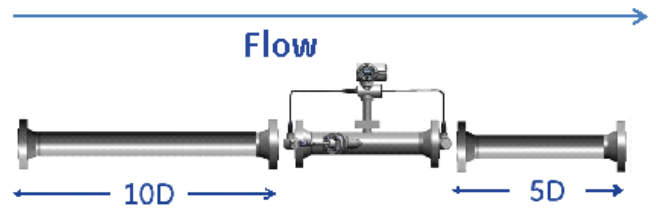
imagination at work

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September 2012

1. Thank you. Thank you for purchasing the PanaFlow HT ultrasonic flowmeter. Before removing the PanaFlow HT system from the crate, please inspect the flowmeter. Each instrument manufactured by GE Measurement & Control is warranted to be free from defects in material and workmanship. Before discarding any of the packing materials, account for all components and documentation listed on the packing slip.



- 2. Meter Installation.** The ideal site is a straight section of process pipe that meets the following criteria:
- Pipe section is horizontal and above ground.
 - Pipe section can accommodate the overall length of the flowcell.
 - There is sufficient clearance for the transducers on the sides of the meter (at the 3 o'clock and 9 o'clock positions).
 - There are at least 10 pipe diameters of straight, undisturbed flow upstream and 5 pipe diameters of straight, undisturbed flow downstream from the transducers. (See *User's Manual*.)
 - For remote-mounted electronics, the electronics console should be located within 100 feet (30 meters) from the meter body. (See *User's Manual*.)



5. Communication and Power Wiring. The picture below shows the communication and power wiring to XMT900 electronics. Make all communication wiring before wiring the power terminals. Once all wiring is complete, apply the power.

6. Programming & Testing. The keypad and magnetic wand enable programming of the instrument through the glass faceplate without removing the cover. Thus, all programming procedures may be performed while the unit is installed in a hazardous area. See the *User's Manual* for instructions on programming.

PIN Label	Description
1	A-
2	A+
3	B-
4	B+
5	C-
6	C+
7	D-
8	D+

PIN Label	Description
1	MOD-
2	MOD+
3	CAL-
4	CAL+

PIN Label	Description
1	L2/N
2	L1

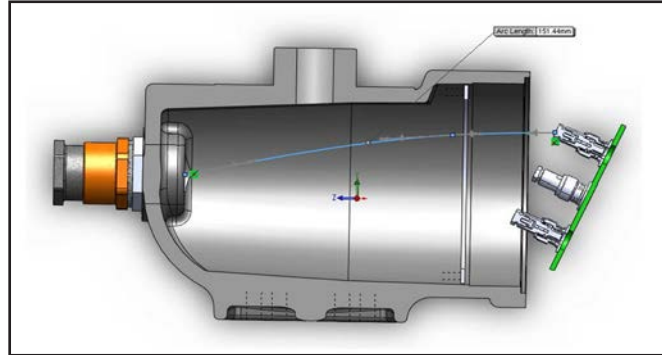


WARNING! The PanaFlow HT flow transmitter can measure the flow rate of many fluids, some potentially hazardous. Be sure to follow local safety codes and regulations for installing electrical equipment and working with hazardous fluids or flow conditions.

3. Remote Electronics Mounting (remote mount only). If you have a remote mounted XMT900 electronics, mount the XMT900 electronics to either a wall or to a 2” pipe system using the enclosed mounting system. If you have a local mount, go to step 5.



4. Remote Transducer Wiring (remote mount only). To make electrical connections, remove the terminal board from the enclosure by first loosening the screws and twisting the terminal board counter clockwise. Feed each cable through a conduit hole on the side of the enclosure and plug into the appropriate connection on the terminal board.



7. Final Steps. Complete the SIL requirements and register your device. Reference the *Safety Manual for the Safety Instrumented System (SIS)* and *PanaFlow HT User's Manual* for exact details.

8. If you have any questions about your equipment, please contact us at:

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<http://www.ge-mcs.com/en/contact-us.html>

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Flow

PanaFlow HT

Ultrasonic Liquid Flowmeter

Safety Manual for SIS



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