



JASPER ENGINEERING & EQUIPMENT

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# Siemens SITRANS FUP1010

## Quick Start Part One:

### Instrument Setup

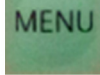
#### 1. Power On Instrument

Press ON/OFF button. Display will show the WELCOME splash screen:

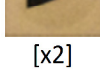


#### 2. Enter FastStart Setup Mode

Press MENU. Display will show the following:

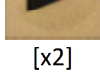
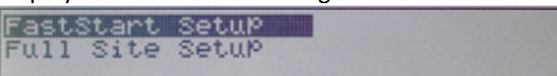


Press RIGHT ARROW twice to select Single Channel. Display will show the following:



[x2]

Press RIGHT ARROW twice to select Clamp-on. Display will show the following:



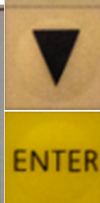
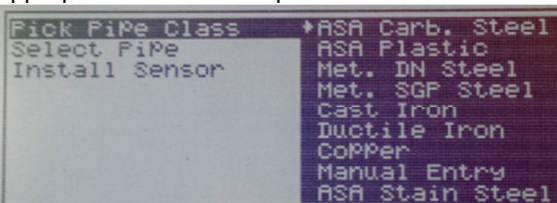
[x2]

Press RIGHT ARROW once to enter FastStart Setup.

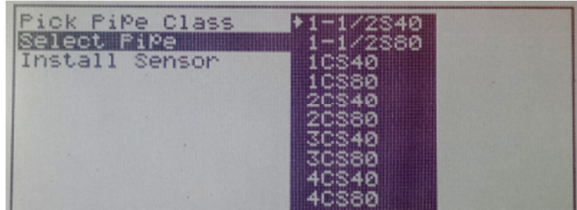


#### 3. Input Pipe Data

Press RIGHT ARROW to open pipe material selection. Use UP and DOWN arrows to select appropriate material and press ENTER to confirm:



Press RIGHT ARROW to open pipe size selection. Use UP and DOWN arrows to select appropriate pipe size/ schedule and press ENTER to confirm:

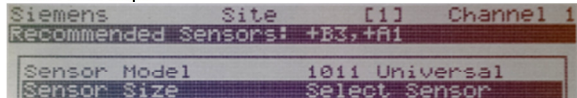


Press RIGHT ARROW next to Install Sensor to enter Sensor Installation Mode.

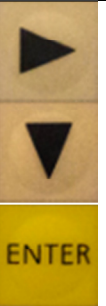


#### 4. Select Transducers

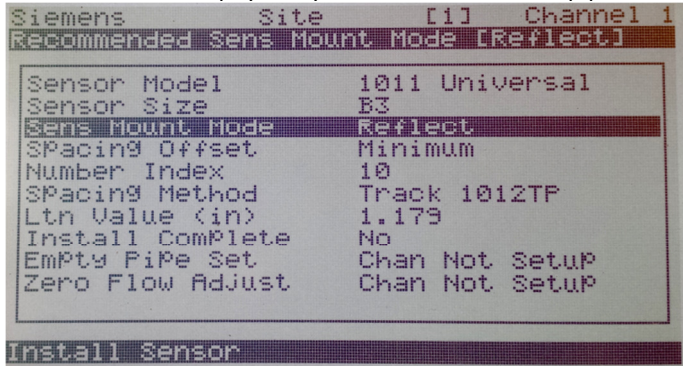
From Sensor Installation Mode, press DOWN ARROW once to select Sensor Size. Based on entries in [3], the FUP1010 will recommend transducers. This will be shown on the second line from the top:



Press RIGHT ARROW to open sensor selection. Use UP and DOWN arrows to select appropriate sensor based on recommendation and inventory. Press ENTER to confirm selection.



Screen will now populate with sensor spacing, mode, offset, track type, and linear value. Use Number Offset and Sensor Size information to physically install transducers on pipe:



Follow instructions on reverse to install transducers.





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## Siemens SITRANS FUP1010 Quick Start Part Two: Transducer Setup

### 5. Prepare Transducers

Retrieve appropriate transducers from case based on Sensor Size entry in [4]. Make sure serial numbers match, ending in A and B:



Unscrew thumb screws from spacer bar and use to space sensors based on Spacing Offset from [4]. Sensor BNC cable ports should face away from each other:



Apply a generous line of ultrasonic coupling compound to the bottom of each transducer:

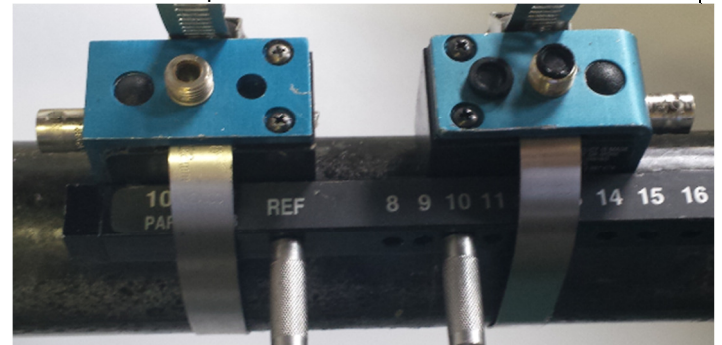


### 6. Prepare Pipe

Pipe must be clean and free of rust, loose paint, and other contaminants. Use supplied abrasive sponge to clean surface prior to installation. Note that severely rusted pipes may need to be cleaned with a powered abrasive tool. Cast iron pipe may need surface smoothed out.

### 7. Mount Transducers and Cables

Insert supplied clamps through transducer mounting slots and around pipe. Tighten using a 5/16" hex driver, ensuring that transducer mounting frame is parallel to pipe and transducers are square:



Install supplied 20' cables onto transducers. BNC connectors use a collar that must be pressed on and rotated to secure. Cables are marked UP and DN for upstream and downstream sensors:



Insert transducer cable connector into FLOW SENSOR port on rear of FUP1010. Connector is polarized and will only fit one way. As with BNC cables, collar rotates to secure:



### 7. Complete Installation

On FUP1010 install menu from [4], use DOWN ARROW to select Install Complete. Press RIGHT ARROW to pop up menu and press DOWN ARROW to select INSTALL. Press ENTER.

System will run through makeup routine for several minutes. When meter provides sonic velocity, press MENU. Press LEFT ARROW to return to flow screen.