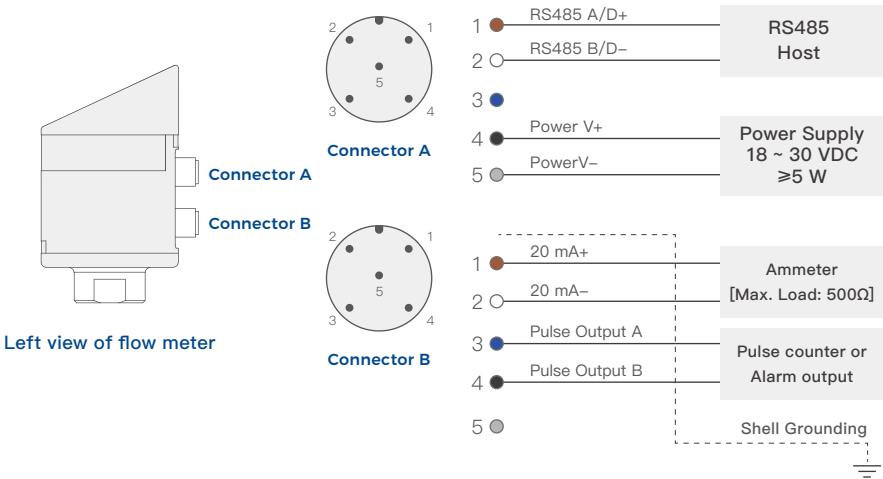




M12 Pin Definition

| Electrical connector | Pin 1      | Pin 2      | Pin 3          | Pin 4          | Pin 5    |
|----------------------|------------|------------|----------------|----------------|----------|
| Connector A          | RS485 A/D+ | RS485 B/D- | N/A            | Power V+       | Power V- |
| Connector B          | 20 mA+     | 20 mA-     | Pulse Output A | Pulse Output B | N/A      |
| FixInst Cable Color  | Brown      | White      | Blue           | Black          | Grey     |

After the flow meter is installed, the following key settings must be completed based on the actual site conditions:



Pipe size (inner diameter), gas type, reference conditions, unit settings, 4~20 mA scaling settings and pulse output settings (if analog signal is used), RS485 parameter settings (if Modbus is used)

[www.fixinstruments.com](http://www.fixinstruments.com)

FIX Instruments Europe AB

Add: Diabasgatan 12, 25468 Helsingborg, Sweden

E-mail: [sales@fixinstruments.com](mailto:sales@fixinstruments.com)

Download the  
Bluetooth APP

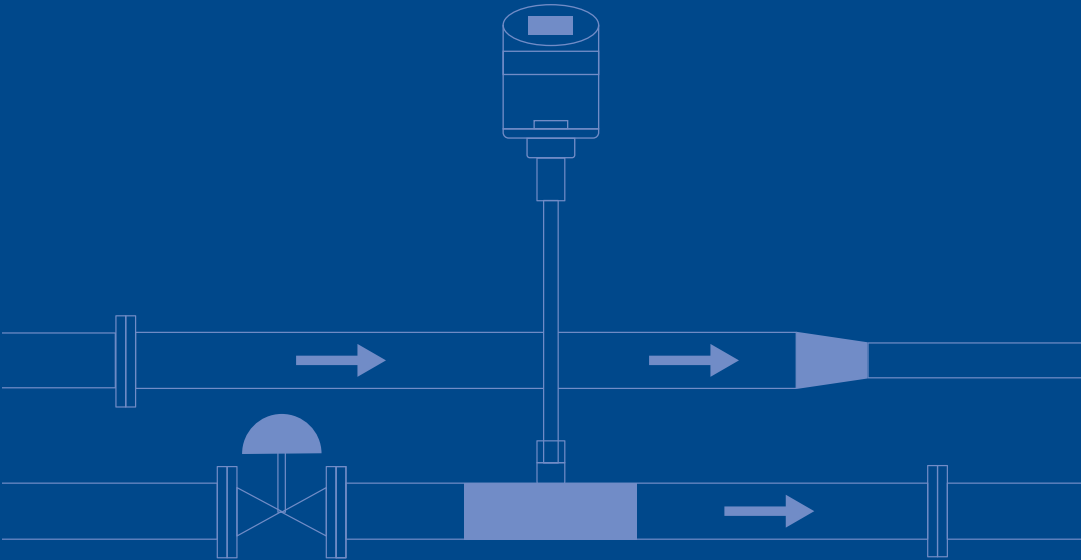


FiXINST

F221x & F222x Series

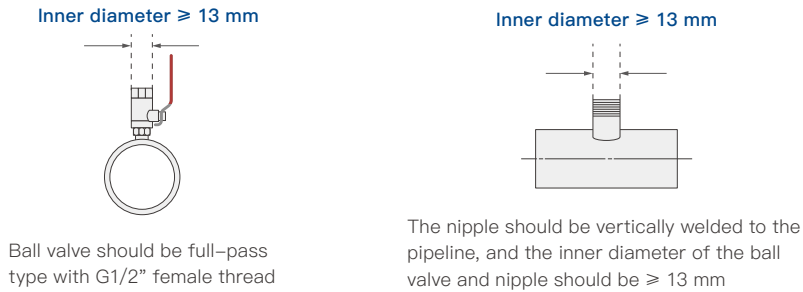
# QUICK GUIDE

| Thermal Mass Flow Meter |

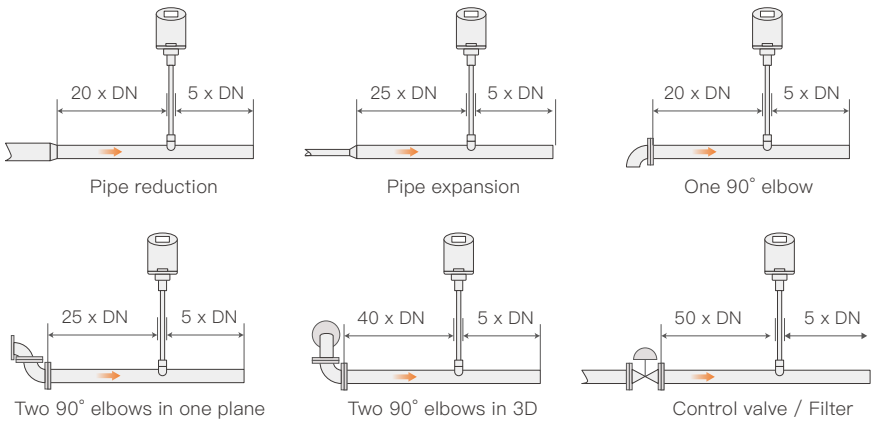


— Experts in Compressed Air & Fluid Measurement —

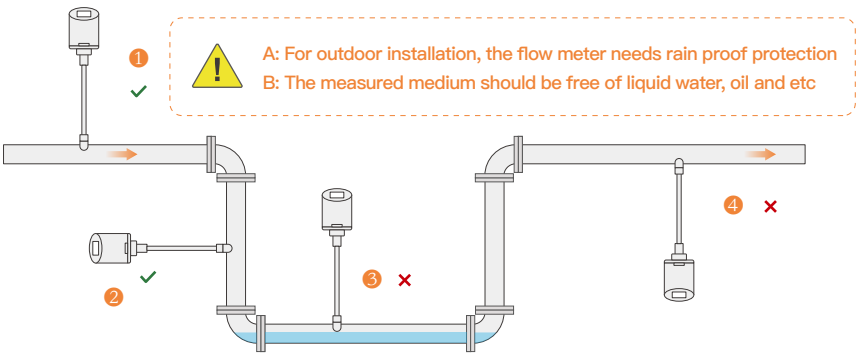
Installation of the flow meter requires a ball valve and a male foundation



Recommended inlet and outlet straight section (\*DN: Nominal Diameter)



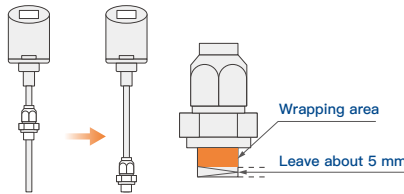
Installation direction and attention



F221x Insert type

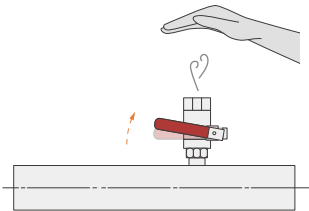
Wrap-around sealing tape

Adjust the fastening nut to the end of the rod, wrap the sealing tape (at least 20 turns), leaving 5mm above the sealing tape to prevent the tape from entering the pipe

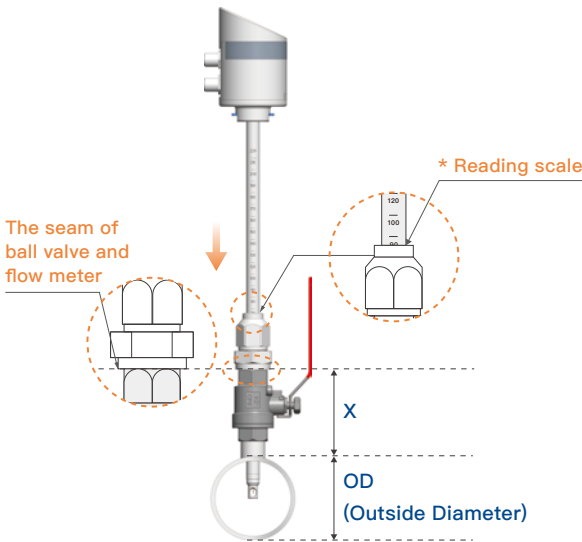


Check gas cleanliness

After confirming that the direct discharge of gas from the pipeline does not pose a safety risk, slightly open the ball valve to check whether the gas is clean, after confirming that it is clean, close the ball valve, clean the inner wall of the ball valve and ready for installation

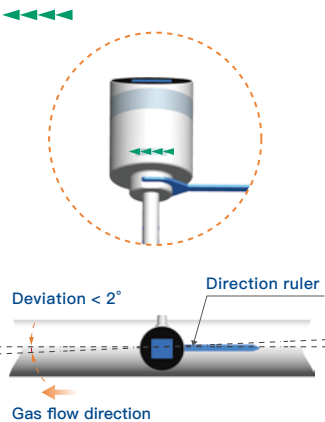


Flow Meter Insertion Depth =  $X + OD/2$

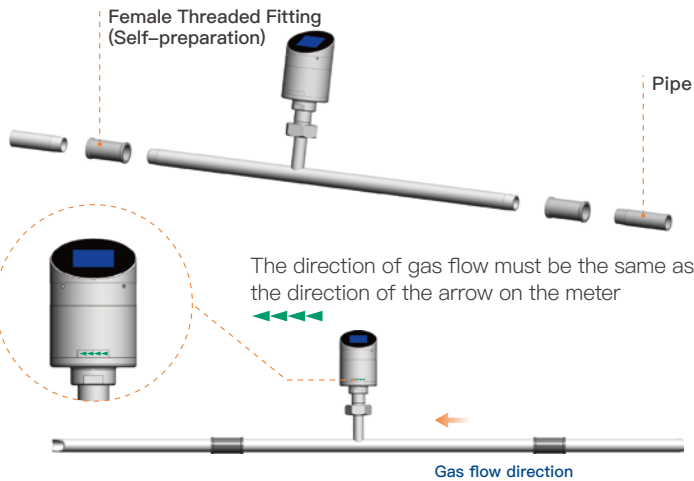


Horizontal calibration of the flow meter

The direction of gas flow must be the same as the direction of the arrow on the meter



F222x thread type



F222x flang type

