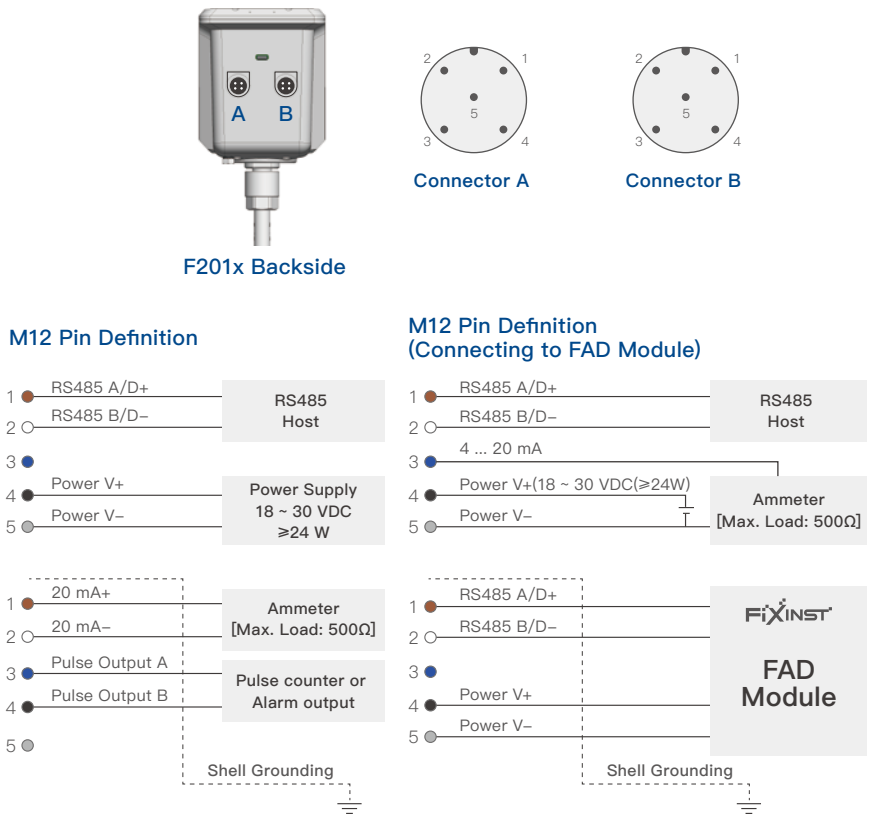




Electrical connector	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
FixInst Cable Color	Brown 	White 	Blue 	Black 	Grey 

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

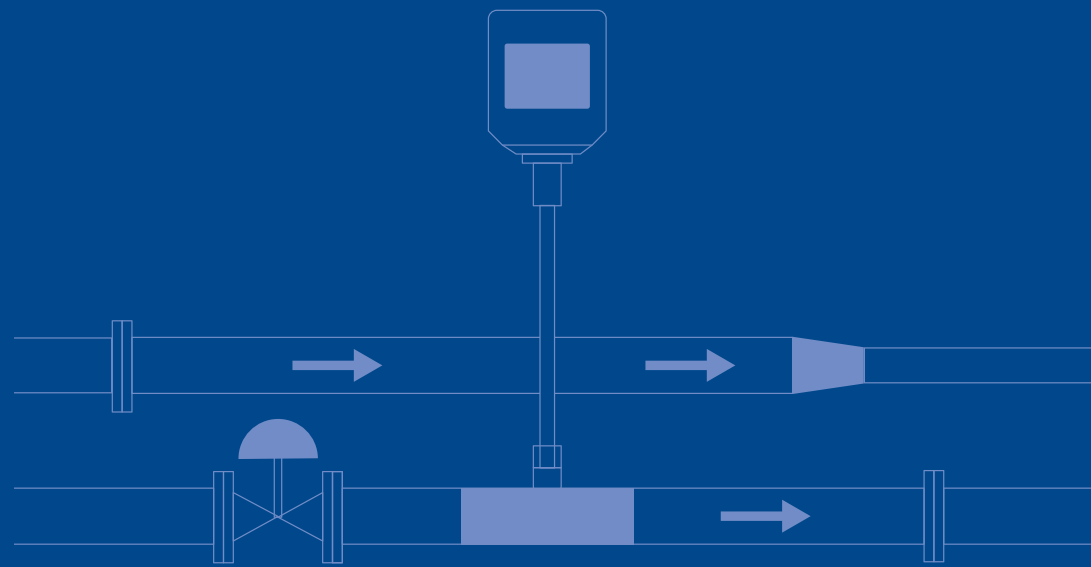
Pipe size (inner diameter), gas type, reference conditions, unit settings, 4~20 mA scaling settings and pulse output settings (if analog signal is used), RS485 parameter settings (if Modbus is used) Standard condition settings, etc.



F201x-W Series

QUICK GUIDE

| Pitot Tube Flow Meter |



www.fixinstruments.com

FIX Instruments Europe AB

Add: Diabasgatan 12, 25468 Helsingborg, Sweden

E-mail: sales@fixinstruments.com

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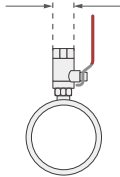
Pre-installation01

To ensure smooth installation of the product, please check the packing list carefully within 7 calendar days after receiving the product, and if there are any discrepancies, please be sure to contact the seller within this period

Description	Quantity	Unit	Note
F201A Main Unit	1	Set	Standard
M12 Female Connector	1	Pc	Standard
M12 Female Connector with 2m Cable	1	Pc	Standard
Power Module with 2m Cable	1	Pc	Optional
Accessories (Calibration Certificate + Quick Guide)	1	Pc	Standard

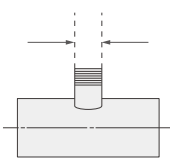
Installation of the flow meter requires a ball valve and a male threaded nipple

Inner diameter ≥ 13 mm



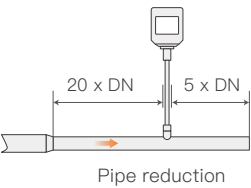
Ball valve should be full-pass type with G1/2" female thread

Inner diameter ≥ 13 mm

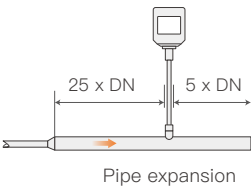


The nipple should be vertically welded to the pipeline, and the inner diameter of the ball valve and nipple should be ≥ 13 mm

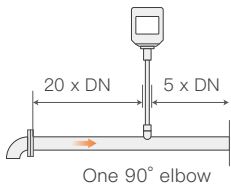
Recommended inlet and outlet straight section(*DN: Nominal diameter)



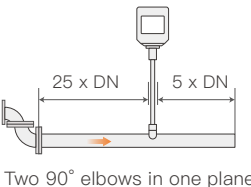
Pipe reduction



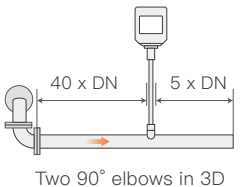
Pipe expansion



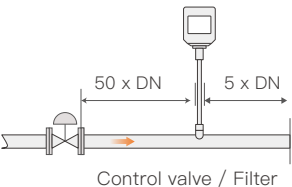
One 90° elbow



Two 90° elbows in one plane

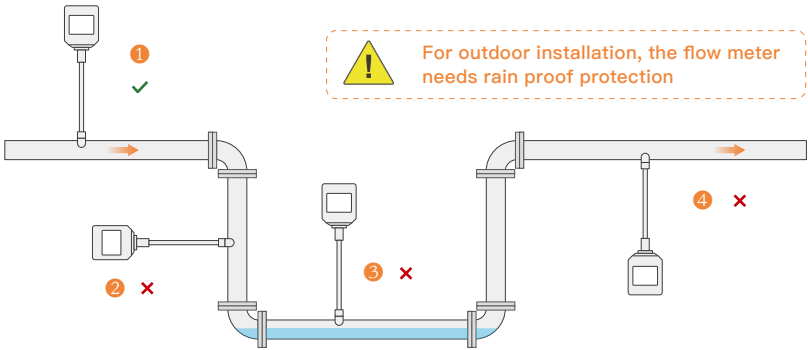


Two 90° elbows in 3D



Control valve / Filter

Installation direction and attention



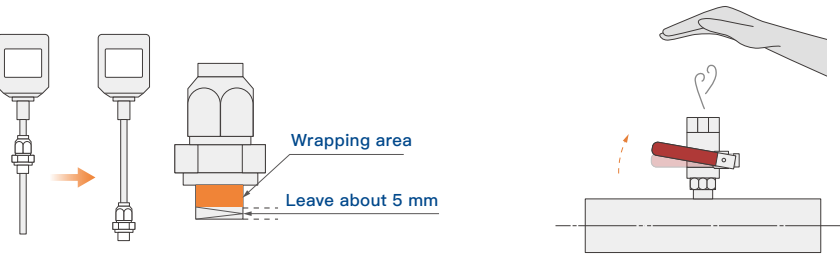
Installation02

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

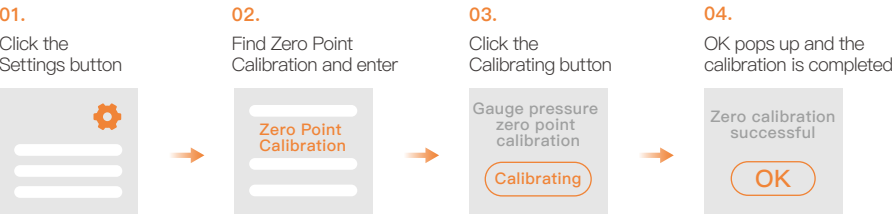
After confirming that the direct discharge of gas from the pipeline does not pose a safety risk, slightly open the ball valve to check whether the gas is clean, after confirming that it is clean, close the ball valve, clean the inner wall of the ball valve and ready for installation



Gauge pressure zero point calibration

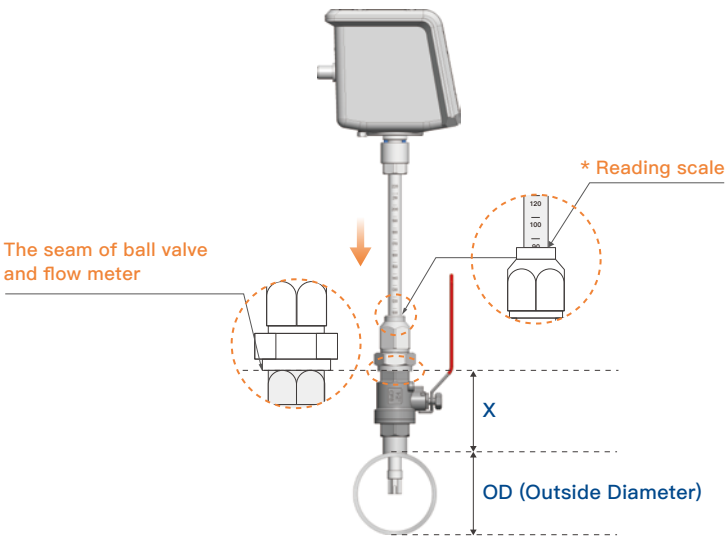
(*This step must be performed after the power-on warm-up is completed)

Since the atmospheric pressure in each region is different, the zero point of the gauge pressure must be calibrated in the atmospheric environment before installing the flow meter



Installation02

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.

