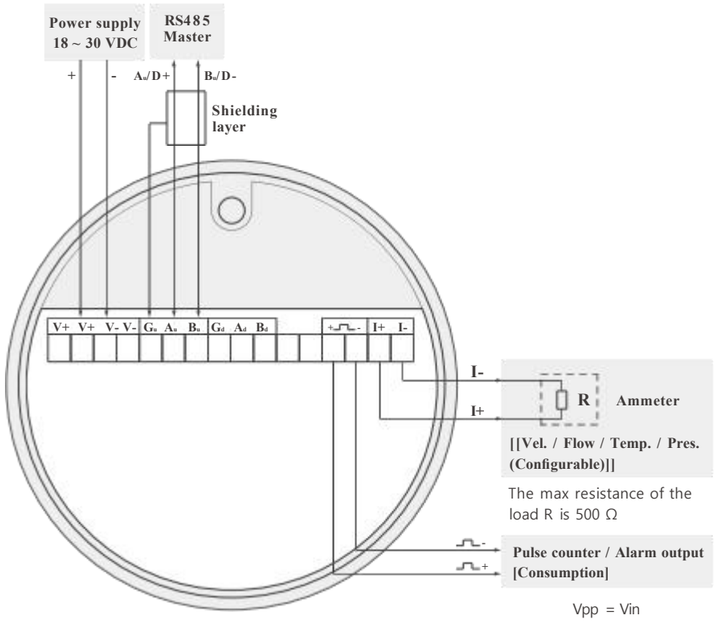
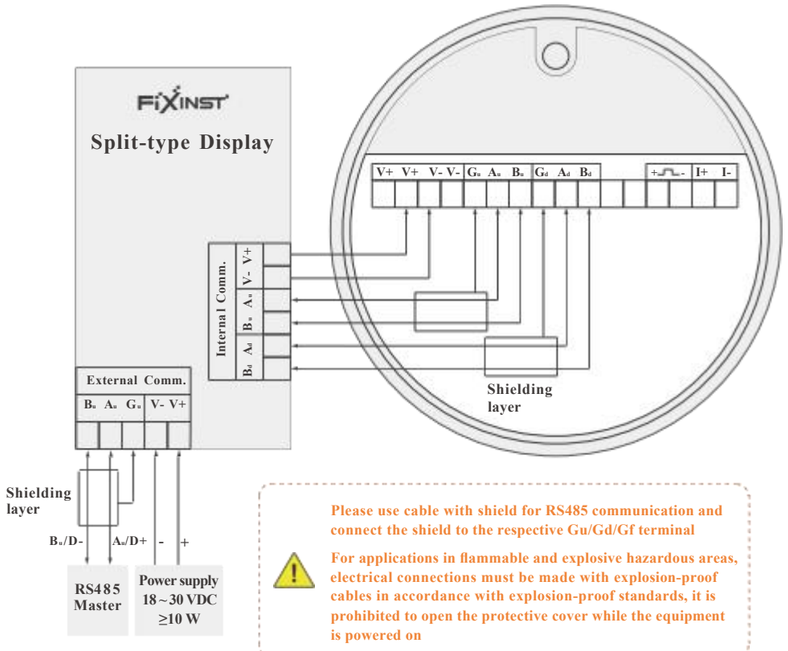


Please use cable with shield for RS485 communication and connect the shield to the respective Gu/Gd/Gf terminal

For applications in flammable and explosive hazardous areas, electrical connections must be made with explosion-proof cables in accordance with explosion-proof standards, it is prohibited to open the protective cover while the equipment is powered on

Fig.01 Standard flow meter connection



Please use cable with shield for RS485 communication and connect the shield to the respective Gu/Gd/Gf terminal

For applications in flammable and explosive hazardous areas, electrical connections must be made with explosion-proof cables in accordance with explosion-proof standards, it is prohibited to open the protective cover while the equipment is powered on

Fig. 02 Split-type flow meter connection

https://yua-instruments.com/

A：Room R2-B, Gaoxin Industrial Park, No. 206 Gaoxin South 7th Road, Yuehai Street, Nanshan District, Shenzhen, Guangdong, China

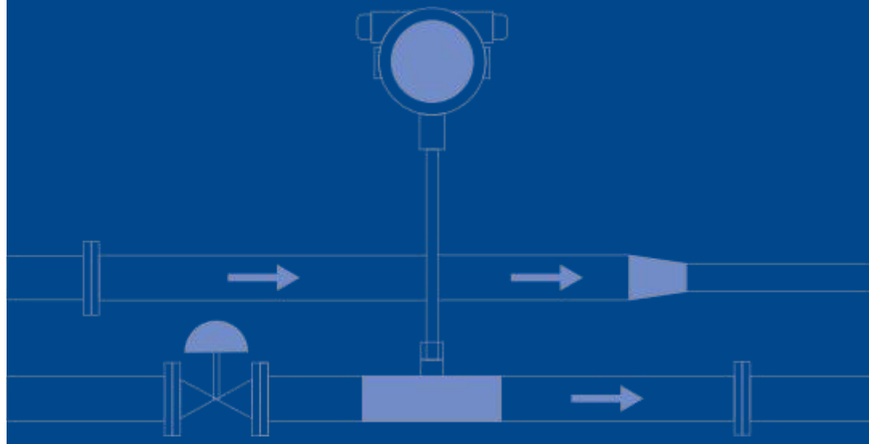
M：sales@yua-instruments.com

Version : 2.01

F211x-Ex & F212x-Ex Series

QUICK GUIDE

| Explosion-proof Thermal Mass Flow Meter |



— Experts in Compressed Air & Fluid Measurement —

Pre-installation 01

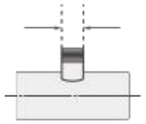
Installation of the flow meter requires a ball valve and a male threaded nipple

Inner diameter ≥ 13 mm



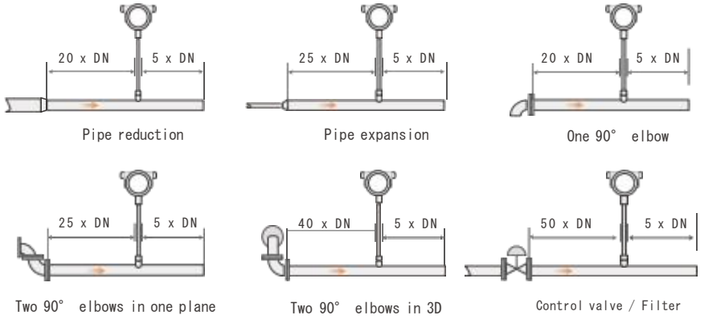
Ball valve should be full-pass type with G1/2″ female thread

Inner diameter ≥ 13 mm

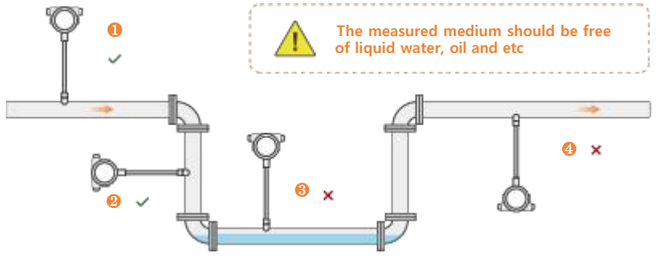


The nipple should be vertically welded to the pipeline, and the inner diameter of the ball valve and nipple should be ≥ 13 mm

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



Installation direction and attention

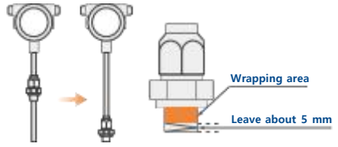


Installation 02

F211x-Ex 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

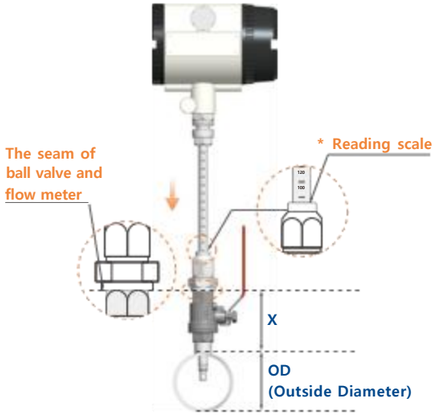


Check gas cleanliness

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

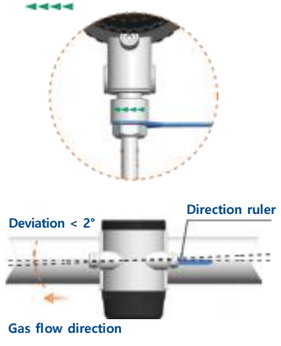


Flow Meter Insertion Depth = X + OD / 2



Horizontal calibration of the flow meter

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



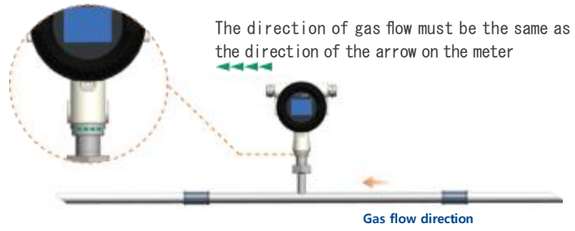
ATTENTION

- Prevent instrument exposure to corrosive gases
- Prevent strong pipe vibration, if the pipe vibration is excessive, please implement pipe-fixing action
- Prevent opening the explosion-proof cover of the instrument under power-up conditions and electrical connections, when the instrument is in flammable, explosive, and other dangerous environments
- Installation, operation and maintenance of the instrument should be strictly following the product specifications and explosion-proof marks

Installation 02

F212x-Ex thread type





F212x-Ex flang type

