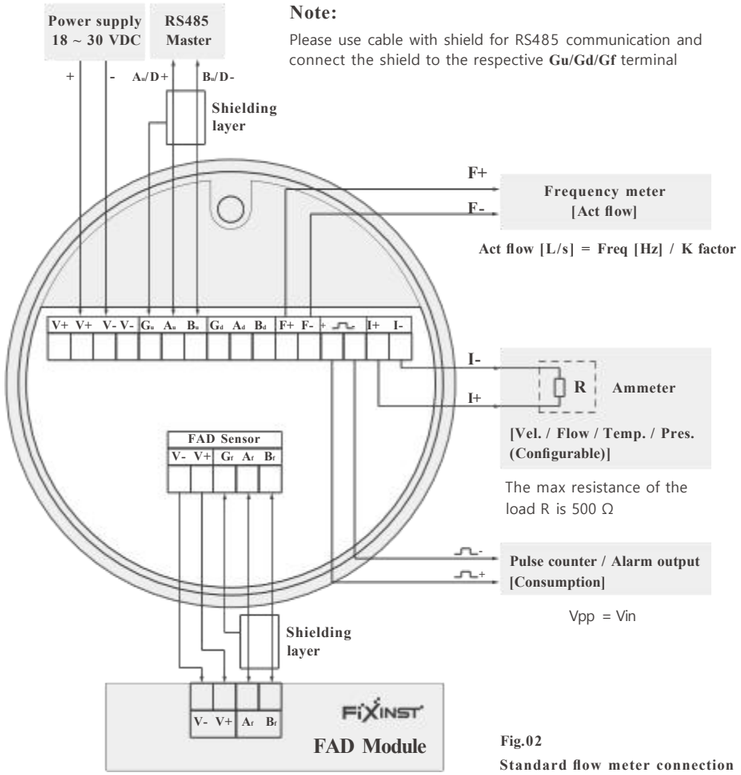


Unscrew the back cover anticlockwise to view the terminal block

Rotatable display direction, if the installation scene requires rotation of display direction, please contact FixInst service team

Fig.01 Schematic of Wire port



Note:

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

Fig.02
Standard flow meter connection

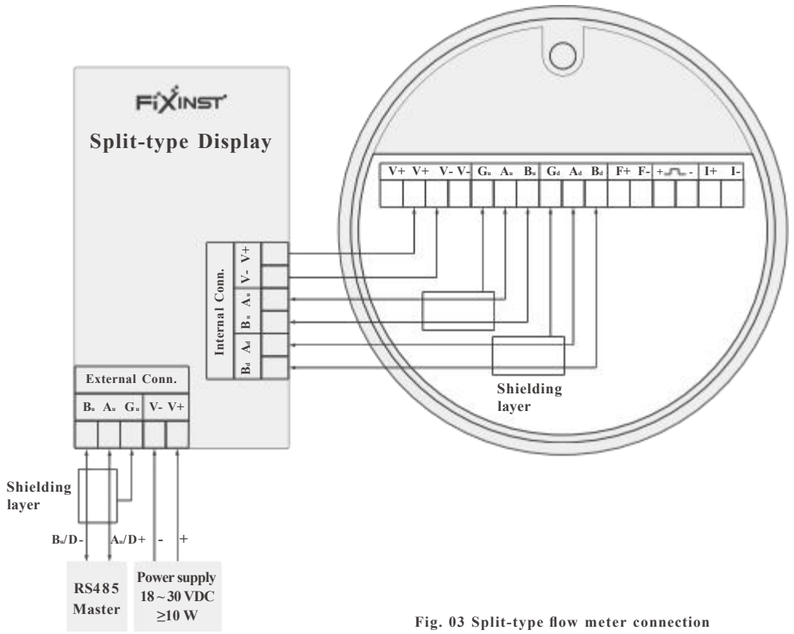


Fig. 03 Split-type flow meter connection

https://yua-instruments.com/

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

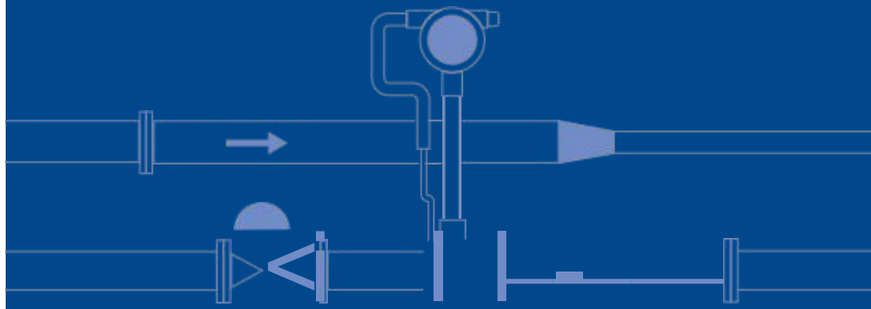
M: sales@yua-instruments.com

YUA

F231x–V Series

QUICK GUIDE

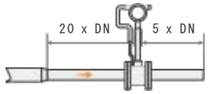
| Vortex Flow Meter |



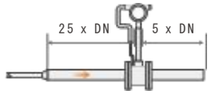
— Experts in compressed air & fluid measurement —

PRE-INSTALLATION 01

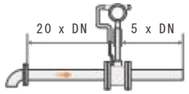
Recommended inlet and outlet straight section



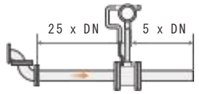
Pipe reduction



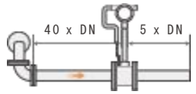
Pipe expansion



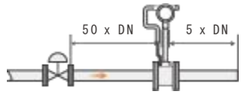
One 90° elbow



Two 90° elbows in one plane



Two 90° elbows in 3D

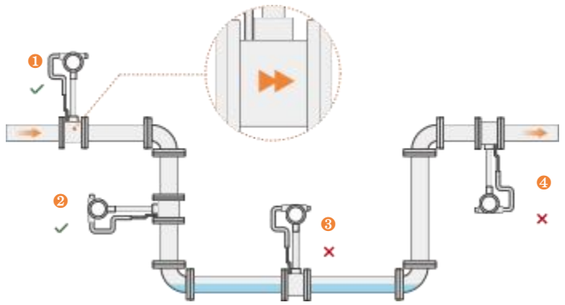


Control valve / Filter

Installation direction and attention

Please install flow meter according to marked flow direction ▶▶ FLOW ▶▶

Please don't install upside-down and at low position of the piping system



ATTENTION

Attention to thermal radiation. Outdoor installation requires additional sunshade

Prevent instrument exposure to corrosive gases

Prevent strong pipe vibration, if the pipe vibration is excessive, please implement pipe-fixing action

Prevent installation operations and electrical connections in flammable, explosive, and other dangerous environments

INSTALLATION 02-A

F231A-V Wafer-Style

Note: Please use the supporting pipe flange of the product



Step 01

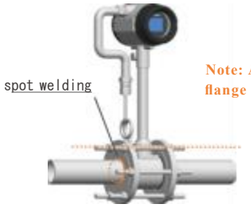
Before installation, please confirm that the pipe reservation length L is consistent with the flow meter installation specifications



Pipe reservation length **L= A+2B+2C**

A: Product Length B: Gaskets Thickness

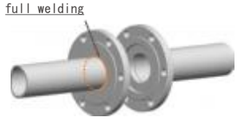
C: Flange Thickness



Note: Alignment of flange hole position

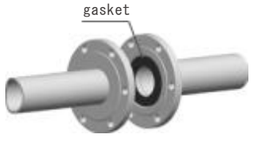
Step 02

Install flow meter, gasket, flange in the pipe and spot weld flange



Step 03

Remove flow meter and gasket, full welding flange



Step 04

After the weld has cooled, insert a gasket on each side of the flange, noting that the gasket must be centered and not extend out of the pipe's inner wall



Step 05

Installed into the flow meter (note the direction of the logo on the flowmeter, and the flowmeter body and the pipe must be aligned). Use bolts to fix the flowmeter. Installation complete

INSTALLATION 02-B

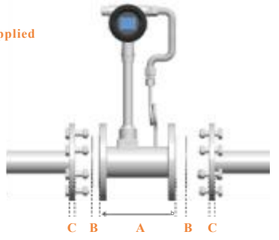
F231B-V Flange-Style

Note: Flange-Style requires gaskets and pipe flanges supplied by the customer



Step 01

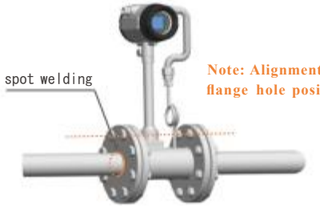
Before installation, please confirm that the pipe reservation length L is consistent with the flow meter installation specifications



Pipe reservation length **L= A+2B+2C**

A: Product Length B: Gaskets Thickness

C: Flange Thickness

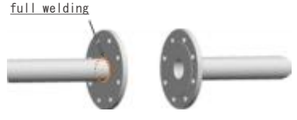


Note: Alignment of flange hole position

Step 02

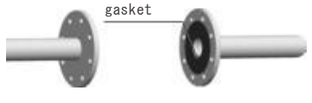
Note: Alignment of flange hole position

Install flow meter, gasket, flange in the pipe and spot weld flange



Step 03

Remove flow meter and gasket, full welding flange



Step 04

After the weld has cooled, insert a gasket on each side of the flange, noting that the gasket must be centered and not extend out of the pipe's inner wall



Step 05

Installed into the flow meter (note the direction of the logo on the flowmeter, and the flowmeter body and the pipe must be aligned). Use bolts to fix the flowmeter. Installation complete