124.3

122.5

227.5

Ø 104.9

53.0

Ø 38.6

SW 34.0

G1/2-ISO

Stainless steel sinter filter

Ø 8.0

F191x-Ex Dewpoint Meter Dimension

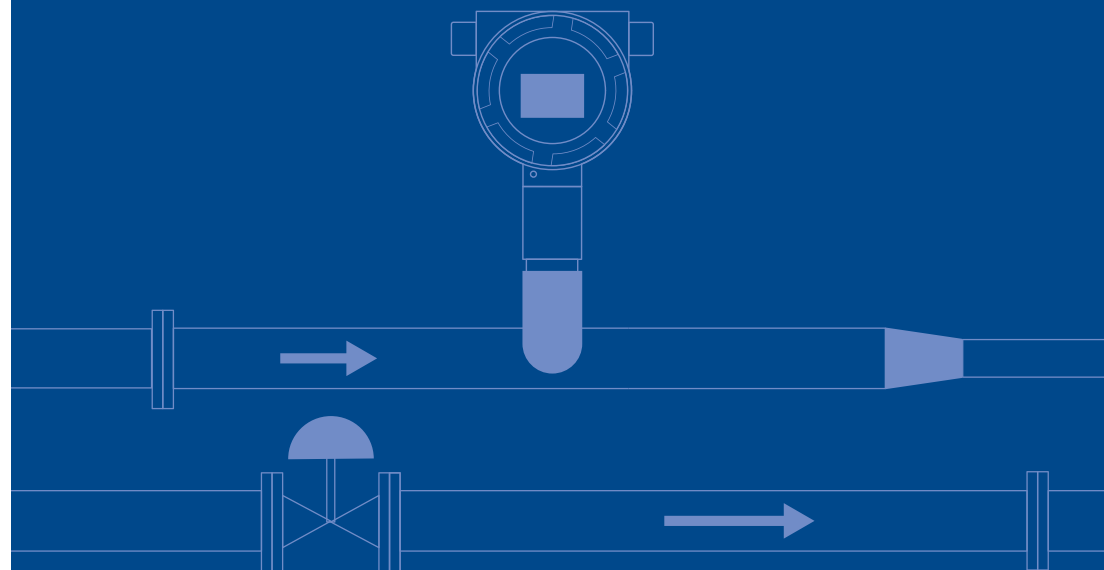| Sensor Model	FIXINST-P	FIXINST-A	FIXINST-Q
Sensor Type	Polymer Capacitive Sensors	Aluminum Oxide Sensors	QCM Sensor
Sensor View			
Application in > −60 ℃td: Cold Dryer,Industrial Gas	✓		
Application in−80 … −60 ℃td: Desiccant Dryer,Nitrogen Generators,Industrial Gas		✓	
Application in −120 … −80 ℃td: High−purity industrial gas		○	✓
containing contaminated particles	✓	✓	

* Sensor FIXINST−A FIXINST−Q have obtained relevant patents
○ Suitable for Model F139C−Puri、F305B

FIXINST

F191x−Ex Series

QUICK GUIDE

| Explosion−proof Dewpoint Meter |

— Experts in compressed air & gas measurement —
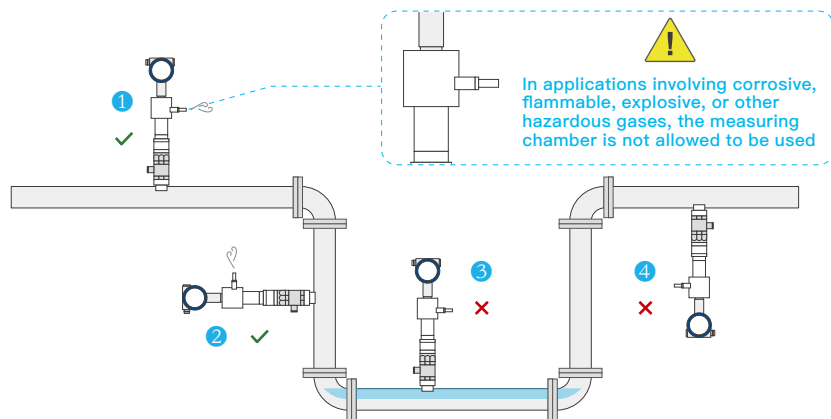
Confirm Packing List

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

No.	Description	Quantity
1	F191x−Ex Integrated display explosion−proof dewpoint meter	1
2	Envelope (quick guide + calibration certificate)	1

The following situations are recommended for installation with measuring chambers:

Ⓐ Risk of water splashing on the sensor   Ⓑ High process temperature
Ⓒ Required to install or remove measurement devices in operating, pressurized condition

⚠️ In applications involving corrosive, flammable, explosive, or other hazardous gases, the measuring chamber is not allowed to be used

The following situations are recommended for installation directly on the pipe:

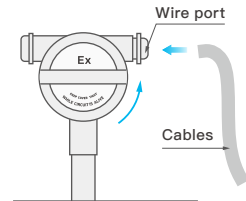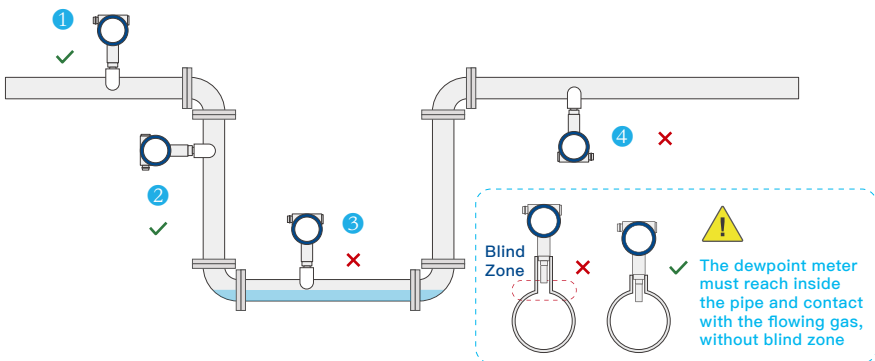Ⓐ The gas in the pipeline cannot be exhausted directly (for example: dangerous gases or expensive process gases)

Blind Zone

⚠️ The dewpoint meter must reach inside the pipe and contact with the flowing gas, without blind zone

Wire port

Ex

Cables

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 G terminal

RS485 Master

B/D− A/D+

Shielding layer

Ammeter R

[Dewpoint / Temp. / Pres. (Configurable)]

The max resistance of the load R is 500 Ω

I−

I+

I−	I+	⎍−	⎍+	G	B	A	G	V−	V+

⎍− ⎍+ − +

Alarm Output

Power supply 10 ~ 30 VDC