58.0

66.4

100.51

145.6

32.0

2*M12

SW27

G1/2

$\phi16.0$

F191x Dewpoint Meter Dimension

QUICK GUIDE

|F191x Dewpoint Meter|

—Experts in Compressed Air & Fluid Measurement—

Sensor Selection   05

Sensor Model	FIXINST−P	FIXINST−A	FIXINST−Q
Sensor Type	Polymer Capacitive Sensors	Aluminum Oxide Sensors	QCM Sensor
Sensor View			
Application in > −60 ℃td: Refrigerant 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 models F139C−Puri, F305B

www.fix-instruments.com

Fix Instruments (Shenzhen) Co., Ltd.

A：2/F, Middle Block, Building B, Te Science Park,
    No. 2 Luozu industrial Avenue,ShiYan Subdistrict,
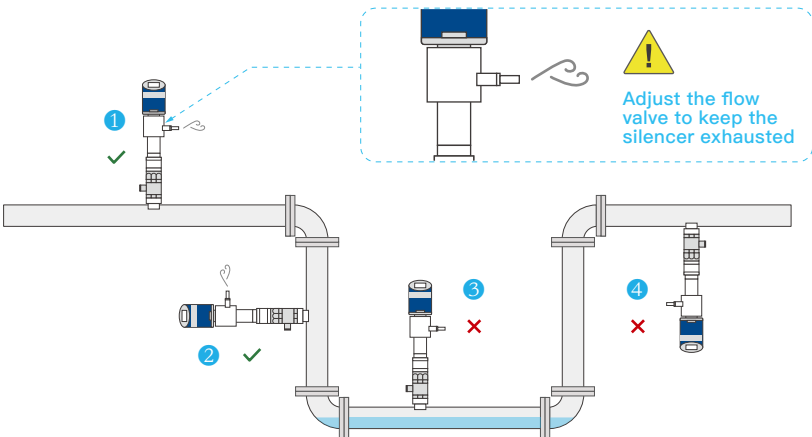   Baoan District, Shenzhen,cuangDong, China

M：sales@fix−instruments.com

P：0755−2359−1123

**FixInst WeChat
Official Account**

The following situations are recommended for installation with measuring chambers:

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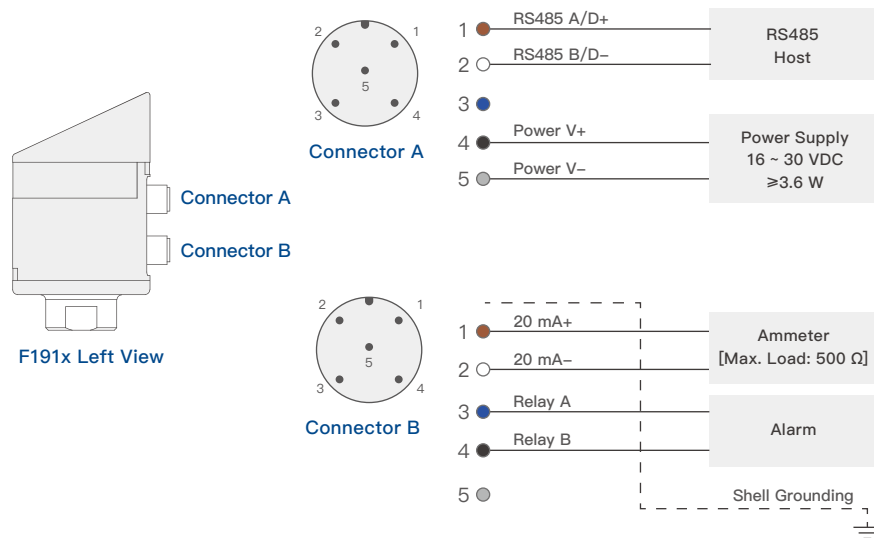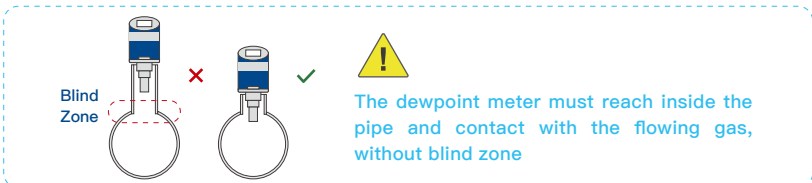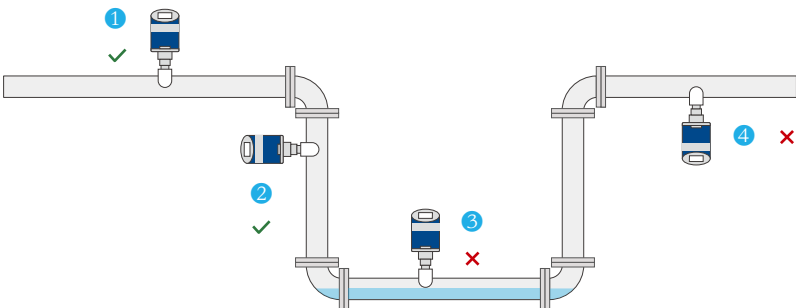**C** Required to install or remove measurement devices in operating, pressurized condition

Adjust the flow valve to keep the silencer exhausted

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

A 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

F191x Left View

Connector A

1	RS485 A/D+	RS485 Host
2	RS485 B/D–	
3		
4	Power V+	Power Supply 16 ~ 30 VDC ≥3.6 W
5	Power V–	

Connector A

Connector B

1	20 mA+	Ammeter [Max. Load: 500 Ω]
2	20 mA–	
3	Relay A	Alarm
4	Relay B	
5		Shell Grounding

Connector B

M12 Pin Definition

Connector A		Connector B		FixInst Cable Color	
Pin 1	RS485 A/D+	Pin 1	20 mA+	Brown	▬
Pin 2	RS485 B/D–	Pin 2	20 mA–	White	▭
Pin 3	N/A	Pin 3	Relay A	Blue	▬
Pin 4	Power V+	Pin 4	Relay B	Black	▬
Pin 5	Power V–	Pin 5	N/A	Grey	▬

⚠ Do not tighten the M12 connection plug forcefully, the plug pins may break off !

The meter has a relay output that allows monitoring of the dewpoint.
For example, when the dewpoint reaches the set value, the meter will send an alarm
Alarm Relay Max. Specification: 32 VDC / 500 mA

Status	F191x Power off	F191x Power on and alarm value not reached	F191x Power on and alarm value reached
Relay Status	Open	Open	Close