Steam Flow Monitoring

Pre-Installation Information Form

Please complete this form before installation so U-F-M can confirm the measurement point, steam conditions, communication distance and required configuration.

A. Customer / Site Details

Company / Site	_____
Contact person	_____
Email / Phone	_____
Preferred installation date	_____

B. Measurement Point

1. Where is the measurement point?	_____
☐ Boiler outlet ☐ Main steam header ☐ Process line ☐ After control valve ☐ Other: _____	

2. What is the pipe size at the sensor installation point?	DN / inch: _____

3. If related to the boiler outlet, what is the boiler outlet pipe size?	DN / inch: _____

4. Is the boiler outlet pipe size the same as the pipe size at the sensor installation point?	_____
☐ Yes ☐ No ☐ Not sure If no: Boiler outlet pipe size: _____ DN/inch | Sensor installation pipe size: _____ DN/inch	

5. What equipment is located between the boiler outlet and the proposed sensor installation point?	_____
☐ Header ☐ Reducer ☐ Manual valve ☐ Control valve ☐ Elbow ☐ Steam separator ☐ Other: _____ ☐ Not sure	

C. Steam Conditions and Operation

6. What is the expected steam flow rate?	Minimum: _____ kg/h or t/h Average: _____ kg/h or t/h Maximum: _____ kg/h or t/h

7. What are the normal operating pressure and temperature?	Pressure: _____ barg Temperature: _____ °C

8. Is the steam quality / dryness fraction known?	_____
☐ Yes ☐ No ☐ Not sure If yes, value: _____ %	

9. If the point is at or near the boiler outlet, is there a steam separator installed after the boiler?	_____
☐ Yes ☐ No ☐ Not sure If yes, please share location/photos.	

10. Is the steam saturated or superheated?	_____
☐ Saturated steam ☐ Superheated steam ☐ Not sure	

11. Is the process operation batch or continuous? Does the line operate in standby mode?	Operation: ☐ Batch ☐ Continuous ☐ Both Standby operation: ☐ Yes ☐ No ☐ Not sure

D. Boiler and Energy Cost Information

12. What is the boiler capacity?	Boiler 1: _____ kg/h or t/h Boiler 2: _____ kg/h or t/h Boiler 3: _____ kg/h or t/h

13. What fuel is used in the boiler?	_____
☐ Natural gas ☐ LPG ☐ Fuel oil ☐ Biomass ☐ Electricity ☐ Other: _____	

14. What is the estimated steam cost or fuel cost?	Steam cost: _____ / ton steam Fuel cost: _____ / kWh, m³, ton or other unit

15. Is boiler fuel consumption data available?	_____
☐ Yes ☐ No ☐ Not sure If yes, please share hourly/daily/monthly data if available.	

16. Is boiler feedwater or make-up water meter data available?	_____
☐ Yes ☐ No ☐ Not sure If yes, please share water meter data or daily/monthly consumption.	

E. Control Valve Details — if installation is on or near a control valve

17. Will the sensor be installed on or close to a control valve?	_____
☐ Yes ☐ No ☐ Not sure	

18. If yes, please share the control valve CV/Kv value and inlet/outlet information.	CV/Kv: _____ Inlet size: _____ DN/inch Outlet size: _____ DN/inch Normal opening: _____ %

19. Please share the control valve datasheet or nameplate photo if available.	_____
☐ Datasheet available ☐ Nameplate photo available ☐ Not available	

F. Installation Point and Communication

20. Is the pipe horizontal or vertical?	_____
☐ Horizontal ☐ Vertical ☐ Not sure	

21. Is the pipe insulated?	☐ Yes ☐ No Insulation thickness: _____ mm

22. Is there any valve, elbow, header, reducer, separator or pipe support close to the proposed installation point?	_____
☐ Yes ☐ No ☐ Not sure If yes, please describe or share photos.	

23. Approximate distance between the sensor/transmitter and the Blue Box / Gateway location?	Distance: _____ meters

24. Is there a clear line of sight between the transmitter and the Blue Box / Gateway?	_____
☐ Yes ☐ No ☐ Not sure	

25. Is power and internet available near the Blue Box / Gateway location?	_____
☐ 220V power ☐ Wi-Fi ☐ Ethernet ☐ Mobile data ☐ Not sure	

26. Is there any existing reference flowmeter?	_____
☐ Yes ☐ No ☐ Not sure If yes, type/model: _____	

G. Photos / Video Required

Please share photos and a short video of the following:

☐	Proposed sensor installation point
☐	Boiler outlet
☐	Line between boiler outlet and proposed installation point
☐	Blue Box / Gateway location
☐	Nearby separator, header, valve, reducer, elbow or pipe support
☐	Existing pressure, temperature, flow, fuel or water meters
☐	Control valve nameplate/datasheet if applicable