

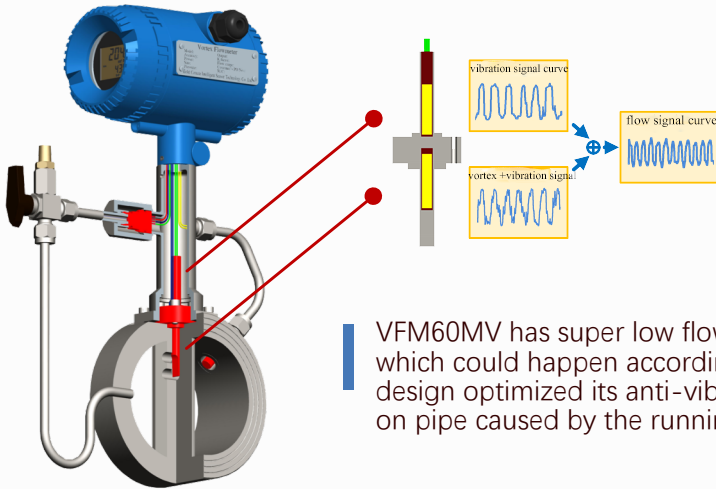
COMATE flow meters service at steam application in food & beverage industry



The flow meter products from COMATE INTELLIGENT SENSOR has been helping Food & Beverage on reliable to improve their energy efficiency of steam usage for a long time.

COMATE VFM60MV multi-variable vortex flow meter is a perfect solution for the measurement of steam supply and consumption used in food and beverage industry in the processes system





VFM60MV has super low flow measurement down to 2m/s, to cover a full flow range which could happen according to the varying of production consumption. Its dual-sensor design optimized its anti-vibration feature so that it can work stable even there is vibration on pipe caused by the running of other machines.



COMATE is firstly introduced cellphone operation in the market. Users can check the reading and setting of the meter with a 5 meters range Bluetooth communication, even the meter is located where users can hardly reach to. The cellphone app interface is much more user-friendly than the traditional display on meter, which requires the users to check complicated setting menu before they can do anything on the meter.

Remote Diagnosis



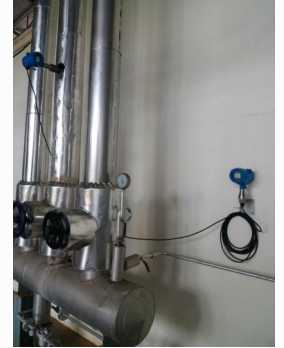
COMATE cellphone operation also make it available to ask for remote diagnosis service when there is trouble shooting needed. Experience COMATE engineers can remotely check the reading/setting/signal of the meter for users when they called for such service. The remote diagnosis job could be done without effecting the production.

A lot of food & beverage factories now use their own steam boiler to produce steam for their usage. Therefore to know the cost of the steam, flow measurement of the fuel and DM water is also required.



A dairy joint venture plant from Thailand

Steam flow monitoring on main pipe and distribution pipes by VFM60N



A food processing plant from United Kingdom

VFM60MV for steam flow monitoring for drying process



COMATE's VFM60MV vortex flow meter and TGF600 thermal mass flow meter are therefore used in the efficiency monitoring of steam boiler. The fuel could be natural gas or LNG, sometime it could biogas which is also produced in the factory from the food waste. The challenge is that the flow rate of those fuel consumption is always very small, so VFM60MV and TGF600 is the most cost efficient solution for a stable measurement of such small flow.



A food waste process plant from Thailand

Biogas fuel consumption monitoring by TGF600 for 2 steam boilers



A dairy processing plant from Argentina

Natural fuel consumption monitoring for steam boilers by TGF600



Comate Intelligent Sensor Co

Professional solution provider for

✓ **Air**

✓ **Gases**

✓ **Steam**

