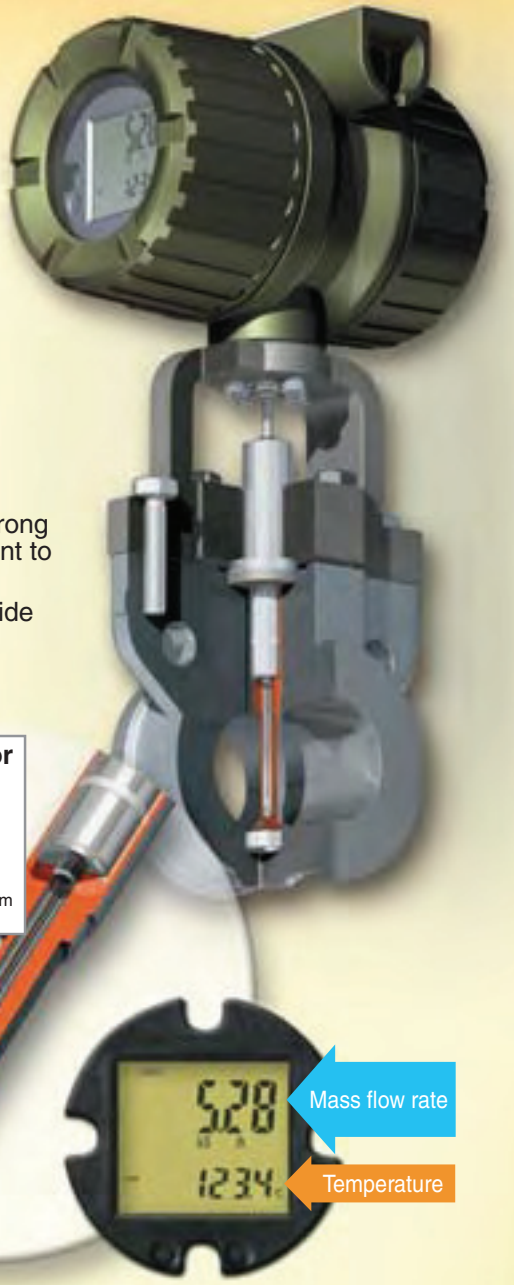
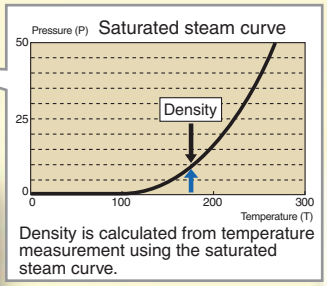
Multi-variable Type

The world's first two-wire Multi-variable Type (with built-in temperature sensor) can directly output the mass flow rate of saturated steam.



Shedder bar with built-in temperature sensor has a temperature monitoring function and a mass flow rate calculation function.

- Shedder bar with built-in temperature sensor: The shedder bar, which is strong enough to be used as a thermo-well, incorporates a RTD sensor (equivalent to Pt1000, Class A) for temperature measurement.
- SSP function facilitates highly accurate measurement of flow rate over a wide range, even under radically fluctuating temperatures.
- A combination of the reduced bore and multi-variable types is ideal for saturated steam instrumentation when the flow rate fluctuates largely.



Density is calculated from temperature measurement using the saturated steam curve.

Temperature Sensor
Built-in temperature sensor housed inside the shedder bar.

Based on signals from the temperature sensor, which is protected by the shedder bar serving as a protector tube, the mass flow rate of saturated steam is calculated.

Temperature monitoring function

Readings of flow rate and temperature measurements are displayed simultaneously.

- Volumetric flow rate or mass flow rate (Pulse output) ⇨ Totalized value
- Temperature value (analog) ⇨ Process temperature value control

Mass flow rate calculation function

The saturated steam curve based on temperature measurement is used to directly output mass flow!

- A single digitalYEWFLO unit can perform highly accurate measurement of saturated steam.
  The ultimate solution for energy-efficient steam control
- Robust body and shedder bar construction for safer measurement and control
- The SSP function facilitates highly accurate measurement even when the boiler is vibrating.

Lower Cost of Ownership

- **A high level of safety is assured without the expense or installation of a temperature sensor, and an insertion hole is not required.**
- **Neither an external output temperature display unit nor a square root extractor is needed.**

New saturated steam instrumentation of Multi-variable Type

Traditional saturated steam instrumentation of T/P COMP.