

## GAS TURBINE FLOW METER

"TORQUE" Make Gas turbine flow meter (flow transducer) is a high accuracy flow sensor. It can be widely used in the fields of air, natural gas and other gas to be measured. Several output and display methods can be selected.

**Available for pipe sizes Range : DN 15-DN 1000 MM**

### APPLICATION

The standard turbine meter is suitable for custody transfer gas measurement of all non-corrosive gases such as natural gas, propane, butane, air, nitrogen, hydrogen, etc. for low and high operating pressures. Special constructions can be supplied for use under extreme condition like high temperatures or corrosive gases. We can modify to perform as a master meter or transfer master meter.



## MASS FLOW METER

A mass flow meter, also known as an inertial flow meter is a device that measures mass flow rate of a fluid travelling through a tube. The mass flow rate is the mass of the fluid traveling past a fixed point per unit time. The mass flow meter does not measure the volume per unit time (e.g., cubic meters per second) passing through the device; it measures the mass per unit time (e.g., kilograms per second) flowing through the device. Volumetric flow rate is the mass flow rate divided by the fluid density. If the density is constant, then the relationship is simple. If the fluid has varying density, then the relationship is not simple. The density of the fluid may change with temperature, pressure, or composition, for example. The fluid may also be a combination of phases such as a fluid with entrained bubbles. Actual density can be determined due to dependency of sound velocity on the controlled liquid concentration.

**Measuring Range : 0-150 T/H , Accuracy : +0.20 %**

### APPLICATION

Oil / Petrol / Diesel & All Liquids Where High Accuracy is required



## VORTEX FLOW METER

A Columnar object is inserted into the fluid. Regular eddies occur alternately on both side of the columnar object. This kind of eddy is called as Kaman vortex. The occurrence frequency is proportional to the flow velocity of liquid, so the vortex frequency is detected by piezoelectric sensor, and the flow rate of fluid may be calculated through the sensor.

### APPLICATION

- Liquid
- Gas
- Steam

