



Overview

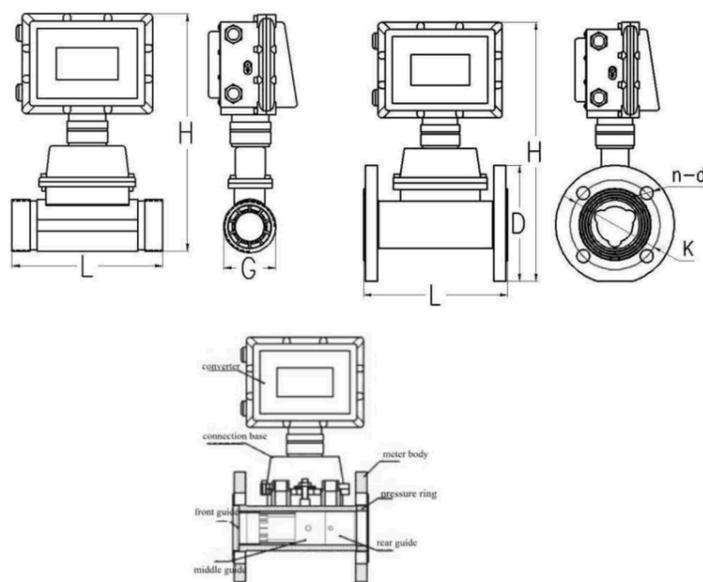
The temperature and pressure compensated gas turbine flowmeter integrates the gas turbine flow sensor and the flow converter, and the main performance indicators have reached the international advanced level. Ideal for metering and gas trade metering.

When the airflow enters the flowmeter, it first passes through the special structure of the rectifier and accelerates. Under the action of the fluid, the turbine overcomes the resistance torque and friction torque and starts to rotate. When the torque reaches equilibrium, the rotational speed is stable, the rotational speed of the turbine is proportional to the gas flow rate, and the magnetic field is periodically changed by the magnet on the rotating signal disk, so that the pulse generator outputs a pulse signal whose frequency is proportional to the flow rate. The microprocessor in the converter counts and calculates the pulse signal to obtain the working condition flow, and detects the temperature and pressure of the medium at the same time, converts the working condition volume flow into standard volume flow according to the volume correction model, and accumulates it to obtain the total standard volume.

Features

- Gas flow sensor High accuracy, standard accuracy: $\pm 1.5\%R$, option $\pm 1.0\%$.
- Gas turbine display can be rotated by 180 degree and easy for installation, it is a kind of digital natural gas flow meter
- Good repeatability, it can be 0.05R-0.2R in short time, so it is good choice for trade purpose measurement, such as for natural gas flow measurement with built-in temperature
- Independent electronics, can be easily replaced and convenient maintenance
- Different kinds outputs, such as gas flow meter modbus, gas flow meter with Modbus RTU Protocol, gas flow meter with 4-20mA output or pulse output

Dimensions



| Caliber (mm) | L (mm) | D (mm) | K (mm) | H (mm) | D (mm) | no (hole count) |
|--------------|--------|--------|--------|--------|--------|-----------------|
| 25 | 200 | 115 | 85 | 330 | 14 | 4 |
| 40 | 200 | 150 | 110 | 335 | 18 | 4 |
| 50 | 200 | 165 | 125 | 370 | 18 | 4 |
| 65 | 200 | 185 | 145 | 390 | 18 | 4 |
| 80 | 240 | 200 | 160 | 400 | 18 | 8 |
| 100 | 300 | 220 | 180 | 425 | 18 | 8 |
| 125 | 350 | 250 | 210 | 455 | 18 | 8 |
| 150 | 350 | 285 | 240 | 485 | 22 | 8 |
| 200 | 400 | 340 | 295 | 545 | 22 | 12 |
| 250 | 400 | 405 | 355 | 605 | 26 | 12 |
| 300 | 400 | 460 | 410 | 670 | 26 | 12 |

Parameters

| Caliber (mm) | Flow range (m ³ /h) | | Max. Pressure Loss (kPa) | Max. Pressure Rating (MPa) |
|--------------|--|------------|--------------------------|----------------------------|
| 25 | S | 4 - 40 | 1.5 | 1.6 |
| 40 | S | 6 - 65 | 1.5 | |
| 50 | S | 5 - 70 | 0.5 | |
| | L | 6 - 100 | 1.0 | |
| 80 | S | 8 - 160 | 1.0 | |
| | L | 20 - 400 | 2.5 | |
| 100 | S | 20 - 400 | 1.0 | |
| | L | 32 - 650 | 1.5 | |
| 150 | S | 50 - 1000 | 1.0 | |
| | L | 80 - 1600 | 2.0 | |
| 200 | S | 80 - 1600 | 0.5 | |
| | L | 125 - 2500 | 1.0 | |
| 250 | S | 125 - 2500 | 0.5 | |
| | L | 200 - 4000 | 1.5 | |
| 300 | S | 200 - 4000 | 1.0 | |
| | L | 325 - 6500 | 1.5 | |
| Accuracy | Class 1.5 (Class 1.0 needs to be customized) | | | |

TECHNICAL DATA altered can be change without prior notice.
Perubahan DATA TEKNIS dapat dilakukan tanpa pemberitahuan.