

Gas Meters




Prism
GAS EQUIPMENTS
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ABOUT PRISM

PRISM GAS EQUIPMENTS is committed to provide all types of Gas Equipments to be used in Residential, Industrial, Onshore, Offshore uses which meet all international Standards.

Our Gas detection systems, Gas meters, Gas Valves and a complete range of products used in gas industry are pioneered through our innovative products, our services and reliability beside our commitment and technical approach.

PRISM products rely heavily on field user feedback to improve and introduce for you the latest products.

At prism, Products are always application-driven and solution-oriented

Whether for a single application, or to encompass multiple rooms and areas, our fixed-point monitoring solutions are developed to meet the individual needs of our customers. In fact, when you contact us for information about our fixed systems, chances are we will ask you a lot more questions than you will ask us:

- What are the type of gases do you need to monitor?
- What are other background gases may be present in the area you are monitoring?
- What is the size of the area being monitored?
- Where do you expect to experience a problem?
- What is the typical air flow direction in the area to be monitored?

At PRISM, application oriented solutions are our Goals for every product we sell. Need the best solution for your application? Our customer Service representatives will take the time to answer all of your questions...and ask the right ones.

Gas Meters



Prism Diaphragm gas Meter TJ-J1.6 to TG-G 25 are typically used for domestic use, Clarifier hot water heating applications requiring accuracy at low to medium gas flow rates. It is designed for use with natural gas, LPG and all non corrosive gases.

Prism gas meters meet national and international metrological standards and during test bench controls the meters are 100% tested according to customer or national requirements.

With its ultra compact robust design, Prism gas meters ensures a consistent level of accuracy and stability over time and is ideal to meet needs of emergent gas markets.

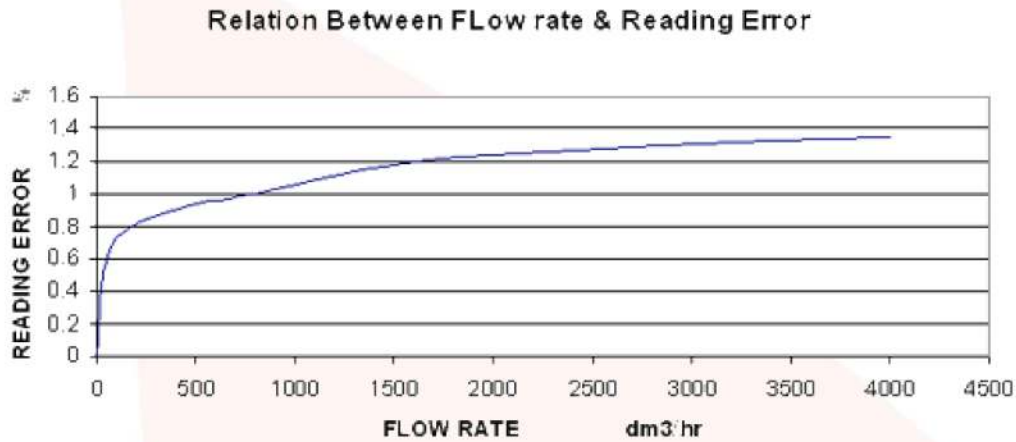
Gas Meter Technical Characteristics

Features:

- Compiling with EN1359 standards.
- Most Suitable for Propane/NG, Air, Nitrogen, Inert gas.
- Use of Anti freezing and round synthetic diaphragm ensures long life.
- Separation of measuring chamber and index ensures no leakage even if glass is broken.
- Proven Reliability
- Long term accuracy and stability
- Remote reading (Optional)
- Established Design
- Robust Construction
- Flow direction selectable

| Data Type | Gas Meter Series | Rated Capacity M ³ /hr | Max. Flow M ³ /hr | Min. Flow M ³ /hr | Work Pressure KPa | Error Range | | Pressure Loss Pa | Max. Reading (M ³) | Center Distance between inlet and outlet (mm) | Gas Meter Fitting | Work Temp. (°C) | Start Flow Qs dm ³ / hr | Min Reading (dm ³) |
|--------------|------------------------|---|------------------------------------|------------------------------------|-------------------------|------------------------|------------------------|------------------------|--------------------------------------|--|-------------------------|-----------------------|--|--------------------------------------|
| | | | | | | 0.1Qmax <Q< Qmax | Qmin< Q< 0.1Qmax | | | | | | | |
| TG-J 1.6 | J | 1.6 | 2.5 | 0.016 | 10 | ± 1.5% | ± 3% | ≤ 200% | 9999.99 | 130 | M30 X2 | - 20~6 0 | 3 | 0.2 |
| TG-J 2.5 | J | 2.5 | 4 | 0.025 | | | | | | | | | 3 | |
| TG-J 4 | J | 4 | 6 | 0.04 | | | | | | | | | 5 | |
| TG-J 6 | J | 6 | 10 | 0.06 | | | | | | | | | 8 | |
| TG-G 10 | XL | 10 | 16 | 0.10 | 50 | ± 1.5% | ± 3% | < 300% | 99999.99 | 280 | G2" | - 20~6 0 | 13 | 5 |
| TG-G 16 | XL | 16 | 25 | 0.16 | | | | | | | | | | |
| TG-G 25 | XL | 25 | 40 | 0.25 | | | | | | | | | | |
| TG-G 40 | XL | 40 | 65 | 0.40 | | | | | | | | | 335 | |

Gas Meter Characteristics Curve



Performance:

| Model | Flow Range | Accuracy |
|-------------------|--------------------|----------|
| TJ-J1.6 to TG-G25 | Q min to 0.1 Q max | +/- 3% |
| | 0.1 Q min to Q max | +/-1.5% |

OPTIONAL:

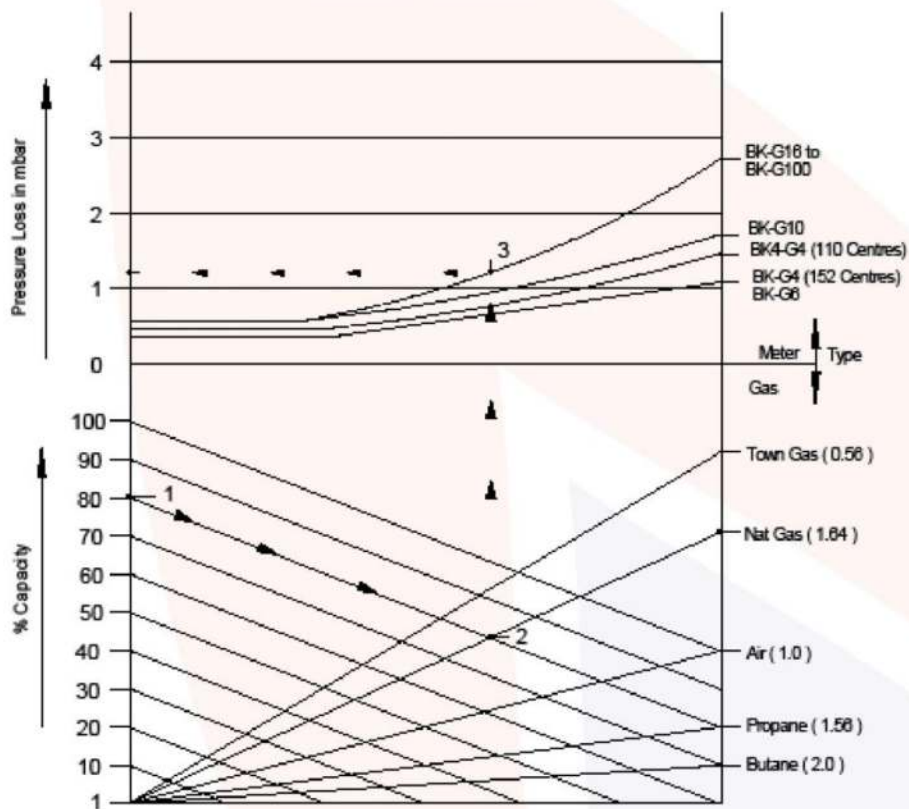
These meters are ready for remote and data management on request.

Meters can be fitted with a unique low frequency pulse output switch which can be removed and replaced in service, providing the facility for a remote read out as and when required. The fitting of the pulse output switch does not interfere with the legal index seal.

Metrology

Domestic / Industrial Diaphragm Meters

Pressure Loss Data Chart



Example:
 Meter Size : G25
 Capacity : 32 m³/hr
 Gas : Natural gas

1. Capacity 80%
 2. Natural Gas
 3. Meter
 4. Pressure Loss 1.25 mbar at standard conditions

Prism mission is to benefit society by providing solutions through industry leading products, services and systems that save lives and protect capital resources from the dangers of hazardous gases and vapours.

Prism Gas Equipments brand name is synonymous with process safety and reliability in combustible, flammable and toxic environments.

Prism Gas Equipments stocks a complete range of products used in Gas Industry.

Prism with its extensive range of products and its sales network we can deliver you products used in gas industry as per your needs and demand.

As your partner for success in whatever your process needs, Prism will provide solutions that will meet or exceed your expectations.



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