Landis+Gyr
manage energy better

Model 750

High Capacity Gas Meter

Model 750

Extending Meter Life With Proven Accuracy Retention

General Details

Housed in a compact aluminium case, the Model 750 is a slow revving high capacity gas meter. Its 2 litre per cycle diaphragm operates at a rate of 40% slower than its 1.2 litre rivals. This design minimises the speed of internal components and coupled with high quality materials wear rates are reduced ensuring long term accuracy retention.

The Model 750 has a capacity of 7.5m^3/h of Natural Gas (SG0.62) or 6m^3/h of Air at 125Pa pressure drop, a standard proven in Australia and throughout the world to ensure durability and reliable accuracy for periods of beyond 20 years.

Accuracy

The outstanding design features of the Model 750 gas meter such as its tangent control, large cyclic capacity and magnetic drive index provide unparalleled accuracy from 10 litres/h to 7.5m^3/h. Our modern calibration and test facilities are accredited to ISO/IEC 17025.

Pressure Absorption

The Model 750 meter has a low pressure absorption due to the tangent assembly, sliding low friction valves, and large cyclic volume (2 dm^3/cycle), which ensures extended field life and long term accuracy retention.

Pressure absorption across the meter reflects how hard the meter is working and is directly proportional to the component wear rate and subsequent meter life. The pressure absorption of the Model 750 is 125 Pascals (Pa) at a flow rate of 6m^3/h of Air (7.5 m^3/h of Natural Gas).

Accuracy Retention

The initial accuracy of a meter is easy to achieve by using calibration to pass initial testing. However, sustained accuracy over time comes down to the quality, design and construction of the meter. The Model 750 has been designed for long-term stability and extended field life.

Product Enhancements

Every Model 750 gas meter is supplied pulse ready so that the meter can be retrofitted with a pulse output module for advanced metering applications without the need to replace the meter index.

The Model 750 is also available with a top reading index allowing ease of reading when the meter is located in a low height. The model 750 is also available with Viton o-rings for aggressive gas applications.

Endurance Testing

Endurance testing to the most stringent world requirements has been conducted on the Model 750 that show long term accuracy retention.

The Model 750 meter exceeds the endurance testing requirements of the European Standard EN1359:1999, American National Standard ANSI B109.1, Australian Standard AS4647:2005, and OIML Recommendation 31.

Model 750 Specifications*

Gases

Natural gas, town gas, propane, butane, LPG and inert gases. For other gases please consult Landis+Gyr.

Temperature Range

–10 °C to +65 °C.

Cyclic Volume

0.002 cubic metres (2 litres)

Working Pressure

Refer to meter index badge

Index Drive

Magnetically driven index ensuring low mechanical wear.

Index

Anti–Fog hydrophilic coated 8 digit index 5 whole cubic meters (white numbers on black wheels) and 3 decimal places (white numbers on red wheels).

Threads

Meter boss threads vertical inlet/outlet 10 Light 1″ to BS746 1987 at 152mm (6″) centres. 1″ 10 Lt. to ¾″ BSP Cap Nut and Liner set available part number SK5.

Case Construction

Pressure die cast aluminium. The Model 750 meter weighs 2.75 kg

Pulse Output Ready

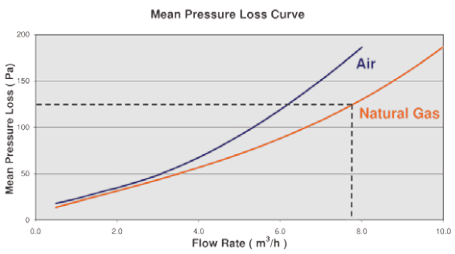
All meters are fitted with a magnet in the far right index wheel and hence each meter is pulse retro fittable in the field 1 pulse / 10 lts.

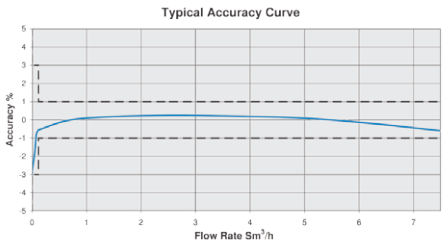
Corrosion Protection

Alodine internal and external pretreatment of castings followed by baked polyester powder coat for maximum corrosion protection.

Pulse Output Module

10 litres per pulse using IN-Z61 or IN-Z62 pulse module.





* Continuing product improvement is Landis+Gyr policy, specifications are subject to change without notice.

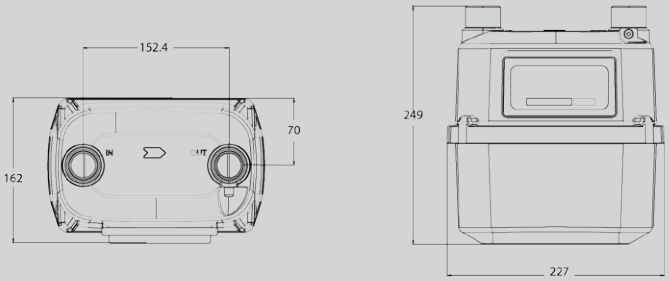
Model 750

Designed for long life and superior performance

Product features:

- Slow Revving Speed
- 2 Litre Cyclic Volume
- Capacity 7.5 m^3/h (Gas)
- Corrosion Resistant
- Rugged Compact Construction
- Exceptional Accuracy
- Superior Low Flow Performance
- Designed to EN1359 & AS4647:2005
- Low Pressure Drop
- 8 Digit Sealed Index
- Magnetic Drive
- Pulse Ready
- Optional Top Read Index
- Optional Viton O-rings
- Noise Reduced Valve Table

Model 750 Wireframe



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