Diaphragm Meters

Written by Landis+Gyr Version 2.0

Installation Details

Metering Pressure	:	1.5barg
Maximum Flow Rate	:	14 Sm³/h
Gas Type	:	Natural

Meter Details

Meter Model	:	Model 1010 High Pressure
% of Capacity Low Differential	:	99.1 % at 125 Pa Diff.
% of Capacity High Differential	:	74.5 % at 200 Pa Diff.
Note	:	Special High Pressure Version
Capacity (@125 Pa)	:	14.12 Sm³/h at 125 Pa Diff.
Capacity (@200 Pa)	:	18.78 Sm³/h at 200 Pa Diff.
Max. Working Pressure	:	35 kPa Standard, 150 kPa Special HP Version
Accuracy	:	Better than ±1.0% from 0.05xQmax to Qmax
Connection Details	:	1 inch - 10LT (to BS 746;1987) at 152mm centres
Accessories	:	3/4 inch BSP cap nut, washers and liners (SK5)
Meter Bars	:	Meter support bars are available
Pulse Output Modules	:	IN-Z61 or IN-Z62 1 Pulse = 0.01 m³ (optional)
Index Details	:	Anti-Fog fully sealed, max. reading 99999.999 m³
Colour	:	Woodland Grey
Weight	:	2.75 kg
Temperature Compensation	:	Optional

General Information

Positive displacement meters have an outstanding record for durability and reliability. Initial accuracy coupled with proven accuracy retention, results in a long life meter. Good meter initial accuracy is easy to achieve through calibration however accuracy retention is dependant on a number of factors; Cyclic capacity (speed, stress, wear rate); Material selection (dimensional stability); adjustable tangents for precise accuracy adjustment (Model 750, Model 1010 and AL Series all have ajustable tangents); Diaphragm Area (minimising the forces on the diaphragm, mechanism and valves) and Quality construction materials that provide smooth operation and long life with sustained accuracy.

Landis+Gyr maintains a testing, repair and certification facility for meters from domestic through to large industrial, flow rates from 0.5 to 6500 m³/h. Our test equipment is certified to the highest local, national and internationally recognized standards of gas measurement. Landis+Gyr is a Verifying Authority for the verification and re-verification of reference standards of measurement under Regulation 13 of the National Measurement Regulations 1999 (Cth) for volume measurement.

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