G2/A050

**Aluminium inline Turbine meter
with local LCD display.**
ATEX certified EEx nL IIC T4 U
EN 50021 / BS EN 60529
EN 50081-1 / EN 50082-1
**Intrinsically safe for Class I, II, III, Div 1,
Groups A B C D E F G**

Above model shown G2A05I09LMA / A209LMA050Ia1

The G2 range of turbines were primarily designed to offer both reliability & maximum efficiency for a multitude of applications.

Available in a wide range of material options with sizes ranging from ¼" to 2". This combined with various different outputs means that the principle of construction ensures this line of products continues to offer a cost effective solution to almost any metering application.

Specification:

Series design	In line turbine flow meter with local/remote ATEX LCD display
Housing material	Aluminium
Fitting size	½" BSP(F) - NPT available on request
Linear Flow range	3.8 to 38 litre/min (0.228 to 2.28 m^3/hr)
Extended Flow range	1.9 to 56.8 litre/min (0.114 to 3.41 m^3/hr)
Extended Fluid Velocity	0.2 to 3.2 m/sec
15 point Accuracy *	+/- 0.5% of reading
Linear Accuracy	+/- 2.0% of reading
Extended Accuracy	+/- 5.0% of reading
Repeatability	+/- 0.1%

 * up to 15 point calibration can be set using the easy to navigate programmable display, optimum accuracy if using this function is +/- 0.5%

Pressure rating	21 bar (308 psi)
Operating temp	- 40°C to 121°C (remote display)
	- 10°C to 60°C (local display)
Typical K-factor	710.5 pulses per litre
Frequency (linear)	45 - 450 Hz
Maximum Pressure Drop (linear)	8 PSI @ 38 litre/min
Recommended Strainer	650 micron
Shipping Weight	0.780 Kg

Wetted parts:

Body	Aluminium
Journal Bearings	Ceramic Al^{2}O^3 (98% Alumina)
Shaft	Tungsten Carbide
Rotor & Supports	PVDF (Kynar)
Retaining Rings	Stainless Steel 316

Display:

All G2 local turbines are fitted with IP66 LCD display powered by a long life Lithium cell. The display indicates: batch total's 1 & 2, an accumulative totaliser & rate of flow. The functions of this unit can be toggled on & off. Additional features include password protection, 15 point field calibration, factory reset.

All units can be easily configured to read in either: litre/min, litre/hr, Kg/min, Kg/hr, M^3/hr, Gallons/min, USG/min, etc… for more information please contact your local distributor.

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