

## G2/A100

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 G2A10I09LMA / A209LMA100la1

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	1" BSP(F) - NPT available on request
Linear Flow range	18.9 to 190 litre/min (1.13 to 11.4 m <sup>3</sup> /hr)
Extended Flow range	10.1 to 284 litre/min (0.61 to 17.0 m <sup>3</sup> /hr)
Extended Fluid Velocity	0.28 to 5.7 m/sec
15 point Accuracy *	+/- 0.5% of reading
Linear Accuracy	+/- 1.5% 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	150 pulses per litre
Frequency (linear)	45 - 475 Hz
Maximum Pressure Drop (linear)	5 PSI @ 190 litre/min
Recommended Strainer	650 micron
Shipping Weight	1.010 Kg

### Wetted parts:

Body	Aluminium
Journal Bearings	Ceramic Al <sup>2</sup> O <sup>3</sup> (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<sup>3</sup>/hr, Gallons/min, USG/min, etc... for more information please contact your local distributor.