

# Gas Flow Meter - GFM2

The GFM2 is a compact, battery powered unit which takes in line measurement of shielding gas flow. Fitted into the gas line downstream of the regulator, the unit can record gas flow data for up to 24 hours from a single charge or mains power for continuous operation. The unit also measures the gas pressure and temperature and accounts for these variables in the final display of gas flow.

"Peashooter" gas flow meters are common in the welding industry, however readings are very subjective and can easily be incorrectly read, leading to significant errors in the setting of gas flow. The GFM2's easy to read, illuminated, colour display gives clear indications of gas flow in poor light conditions and will display the peak gas flow for gas usage analysis. The GFM2 will confirm gas usage is in compliance with the welding procedure and will significantly reduce shielding gas wastage, by confirming accurate gas flow rates.

The GFM2 is capable of measuring gas flow up to 100 litres/ min, gas pressure up to 8 Bar and temperature up to 50°C. The GFM2 is accurate for use on all shielding gases and gas mixes. The correct gas mix is user selectable from the pre-programmed list of the most popular gas mixes. Customised and special gas mixes can be factory set.

The data logging facility records flow results and surge data, temperature and gas pressure on the GFM2 units internal memory. Recorded data is downloaded from the GFM2 via USB connection for direct import into the included data viewing and reporting software. Data is recorded via one of three modes.



- Log 1 – Logs the screen data on demand
- Log 2 – Logs the gas surge for up to 300 seconds
- Log 3 – Logs the screen data at set intervals programmable by the user

The GFM2 output can be connected directly to any of the TVC range of ALX, ALXII, MALIII and MonArc2 welding data logging systems, giving a permanent record of measured gas flow. The unit is supplied in a rugged carry case, and comes complete with manual, PSU / battery charger and 12 months calibration certification traceable to The National Physical Laboratory (NPL).



# TVC



For details of other TVC equipment, visit our website: [www.tvcalx.co.uk](http://www.tvcalx.co.uk)

# Gas Flow Meter GFM2

## > Gas Flow Meter GFM2



### General Unit

General	Data Logging Facility  Selectable gas mixes - 9 pre-programmed popular gas mixes  Factory programmable for custom and special gas mixes  On-board data storage - 3 user selectable data recording modes  Multi-function connector for unit data download and output to ALX / ALXII / MAL III / MonArc2 Welding Data Logger
Applications	All Inert Welding Gases
Max. Dimension	165 x 95 x 55 mm
Screen	35 x 30 mm Colour LCD
Battery Type	Li-Ion 7.2v 2.6Ah Rechargeable
Temperature	0 - 50°C
Weight	1.1Kg (Excluding Charger and Accessories)
Battery Charger	External 90- 260v AC Input, Auto Selection, 1-2 Hour Charge Time

### Measured Parameters

Gas Flow	5-100 Litres per Minute +/-5% of RDG, +/- 1 digit
Peak Flow	5-100 Litres per Minute +/-5% of RDG, +/- 1 digit
Pressure	Up to 8 Bar +/- 1% FSD, +/- 1 digit
Temperature	Up to 50°C +/- 2% FSD, +/- 1 digit

The Validation Centre (TVC) Limited reserves the right to alter or change product specification without prior notice.

# TVC

The Validation Centre (TVC) Limited

**Tel:** +44 (0) 1493 443800  
**Fax:** +44 (0) 1493 443900  
**Email:** sales@tvcalx.co.uk  
**Website:** www.tvcalx.co.uk

Unit 15, Brinell Way  
 Harfreys Industrial Estate  
 Great Yarmouth, Norfolk  
 NR31 0LU, UK