

GQM

TVC

Simple, effective data-logging of gas levels



The GQM features a 5.7-inch LCD screen for a clear view of the measured parameters. It is a simple and easy-to-use system which can be configured to measure Oxygen, Helium, Nitrogen, Carbon Dioxide, moisture, and can calculate Argon levels. The gas level data is logged directly on to a 4GB pen stick flash drive along with the test date and time.

The system can be used on both gas cylinders and piped bulk gas supplies up to a maximum of 10 Bar line pressure. For optimum accuracy, the GQM has an inbuilt digital flow and pressure controller.

Housed in a rugged yet lightweight plastic case, the GQM is battery-powered but can be powered directly from a mains supply.

The LCD display provides a clear readout of the monitored data together with onscreen operational information making the GQM a straightforward system to use. Desired sensors are specified at the time of ordering, however, all GQM units can be retrofitted with additional sensors if required.

Start	OXYGEN (%)	H2O ppm	User Cal Suggested
	0.0000	0000	Flow 0%
Stop	He (%)	Temperature	
	0.000	022.6	
Cal	CO2 (%)	TIME (s)	
	0.000	0000	
Reset Setup	Argon (%)	000.0000	
Press Start			
Thu 23 Jul 2020 10:00 Bat:043% Dsk:99%			



GENERAL UNIT

Applications	Welding Gas Analysis
Memory	4GB Removable Flash Drive
Screen	5.7-inch Full Colour LCD
Operating Temp.	0 - 50°C
Max. Dimensions	530 x 440 x 240mm
Weight	5Kg
Battery Type	12V 7.2 Ah Rechargeable Gel Filled Sealed Lead Acid Battery
Battery Charger	External 90-240V AC, Auto Selection

MONITORED PARAMETERS

Flow	0.1 - 5L/min +/- 5% FSD
Oxygen Flow	0.0001 - 5% +/- 0.1% FSD (1 - 50000ppm)
Helium Level	0 - 100% Accuracy +/- 1%
Nitrogen Level	0 - 100% Accuracy +/- 1%
Carbon Dioxide Level	0 - 100% Accuracy +/- 1%
Moisture	0 - 3000ppmv Accuracy +/- 2%

CALCULATED PARAMETERS

Argon Level	0 - 100% Accuracy +/- 3%
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CALIBRATION & CERTIFICATION

Full calibration certification provided, traceable to The National Physical Laboratory (NPL), UK.

The Validation Centre (TVC) Limited reserves the right to alter or change product specifications without prior notice. Images are representative of full optional additions installed; delivered equipment and software may vary depending on options purchased.



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