

NFM3

TVC

Simple, one-handed measurement of welding shielding gas flow right at the welding nozzle



The NFM3 is a compact, battery-powered unit which takes measurement of shielding gas flow right at the welding nozzle for the most accurate measurement. The NFM3 is available as either a Standard or Advanced model.

“Peashooter” gas flow meters are often situated upstream away from the welding nozzle and cannot allow for any gas leakage in the pipework feeding the welding nozzle, giving inaccurate readings of the useful gas flow. Measuring the gas flow at the nozzle using the NFM3 gives the welder a measurement of the actual gas flow being used. The unit has either a fixed inlet or an extension pipe for use on robots and automated machines where the nozzle is difficult to reach.

The NFM3 is capable of measuring the nozzle flow up to 100L/min (212 CFH) and is accurate for use on all shielding gases and gas mixes. The correct gas mix is selected by the user from the pre-programmed list of the most popular gas mixes. In addition, customised and special gas mixes can be factory set.

The illuminated colour display is easy to read giving clear indications of gas flow in poor light conditions and will display the peak gas flow for gas usage analysis. The NFM3 will verify gas usage is in compliance with the welding procedure and significantly reduces shielding gas wastage by confirming accurate gas flow rates at the welding torch. The unit also includes a button-lock feature to stop accidental changing of the gas selection during operation.

The Advanced model includes data-logging facilities to record flow results and surge data on the NFM3's internal memory. Recorded data is downloaded from the NFM3 via USB connection for direct import into the data viewing and reporting software.

The NFM3 output can be connected directly to any of the TVC range of welding data logging systems, giving a permanent record of measured gas flow. The unit is supplied with a selection of flexible nozzles to fit all popular welding torches as well as a rugged carry case.

The NFM3 is available as either a **Standard** or **Advanced** model:

Standard

- Factory set in metric or imperial measurement units
- Colour display
- User-selected gas mixes
- Factory programmable custom or special gas mixes
- Multi-function connector for output to TVC welding data logging systems

Advanced

- User-selected metric or imperial measurement units
- Data-logging facility
- Colour display
- User-selected gas mixes
- Factory programmable custom or special gas mixes
- Multi-function connector for data download and output to TVC welding data logging systems

GENERAL UNIT

Applications	All Inert Welding Gases
Screen	35 x 30mm Colour LCD
Operating Temp.	0 - 50°C
Max. Dimensions	180 x 85 x 50mm
Weight	1.2Kg (excluding Accessories and Charger)
Battery Type	Li-Ion 7.2V 2.6Ah Rechargeable
Battery Charger	External 90-260V AC, Auto Selection/1 - 2 Hour Charge Time

MEASURED PARAMETERS

Gas Flow	5 - 100L/min +/- 5% RDG +/- 1 Digit (Imperial: 0 - 212 CFH)
Peak Flow	5 - 100L/min +/-5% RDG +/- 1 Digit (Imperial: 0 - 212 CFH)

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.



THE VALIDATION CENTRE (TVC) LIMITED

Unit 15, Brinell Way
Harfreys Industrial Estate
Great Yarmouth
Norfolk, NR31 OLU
United Kingdom
+ 44 (0) 1493 443800

sales@tvcalx.co.uk

www.tvcalx.co.uk