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



## NFM<sup>2</sup>

The NFM<sup>2</sup> is a compact, battery powered unit which takes measurement of shielding gas flow right at the welding nozzle for the most accurate measurement. The NFM<sup>2</sup> is available as either a standard or advanced model.

"Peashooter" gas flow meters are often situated upstream away from the welding nozzle and so 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 NFM2 gives the welder a measurement of gas flow actually 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.

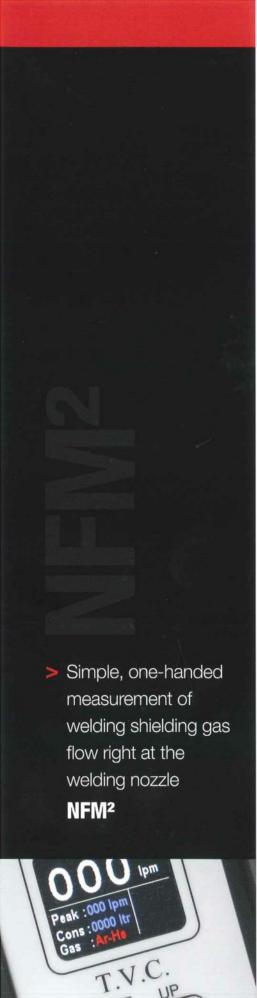
The NFM² is capable of measuring nozzle flow up to 100 litres/min (212 cfh) and is accurate for use on all shielding gases and gas mixes. The correct gas mix is user selectable from the preprogrammed list of the most popular gas mixes. Customised and special gas mixes can be factory set.

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 NFM<sup>2</sup> will confirm gas usage is in compliance with the welding procedure and will significantly reduce shielding gas wastage, by confirming accurate gas flow rates at the welding torch.

The optional data logging facility (Advanced Unit Only) records flow results and surge data on the NFM<sup>2</sup> internal memory. Recorded data is downloaded from the NFM<sup>2</sup> via USB connection for direct import into the included data viewing and reporting software.

The NFM2 output can be connected directly to any of the TVC range of ALX, ALXII, MAL III and MonArc2 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, plus a rugged carry case, manual, PSU / battery charger and 12 months calibration certificate traceable to The National Physical Laboratory (NPL).





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### The NFM<sup>2</sup> is available in either standard or advanced models.

#### Standard Model NFM<sup>2</sup>

- Factory set in metric or imperial units.
- Colour display.
- Selectable gas mixes factory programmable for custom / special gas mixes.
- Multi-function connector
  (Out to ALX / ALXII / MAL III and MonArc Welding Data Logger)

#### **Advanced Model**

- User selectable metric or imperial units.
- Data logging facility.
- Colour display.
- Selectable gas mixes factory programmable for custom / special gas mixes.
- Multi-function connector
  (Data download and output to ALX / ALXII / MAL III and MonArc Welding Data Logger)

# **General Unit Specification**

Applications: All Inert Welding Gases

Size: 160 x 80 x 45

Screen: 35 x 30mm Colour LCD

Battery Type: NiMh 9v Rechargeable

Temperature: 0 - 50°C

Weight: 0.6Kg Excluding Charger, Accessories

and Carry Case

Battery Charger: External 90- 260v AC Input, Auto Selection.

1-2 Hour Charge Time

#### **Measured Parameters**

Parameter: Range

Gas Flow: 5-100 Litres per Minute +/-5% of RDG,

+/- 1 digit (Imperial Option - 0 to 212 CFH)

Peak Flow: 5-100 Litres per Minute +/-5% of RDG,

+/- 1 digit (Imperial Option - 0 to 212 CFH)

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



### The Validation Centre (TVC) Ltd

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