

# WFM2



## Pre-production setting and recording of electrode feed rates



Available as a Standard or Advanced model, this portable, battery-powered monitor enables the pre-production setting and recording of consumable electrode feed rates for automated welding processes, providing a predictable welding current for a specific wire size and feed speed.

The tachometer transducer is fitted with a purpose-designed mounting cradle to enable self-support on the monitored wire. The compact design allows for easy mounting between the consumable spool and pinch rollers in the majority of wire feed systems. The instrument can then be used for in-process quality control monitoring and validation of wire feed rates.

The wire speed tachometer is supplied with grooved-idler wheels which ensure all diameters of wire are held by the tachometer. The wheels are easily changed by the operator.

The wire speed, pay-off in metres and deposition rate in kilograms are displayed in real-time on the main screen. Whilst wire is feeding, an internal clock counts the feeding time (welding time) in seconds. An additional clock counts and displays the operational time.

The operator can select the wire type and diameter which the unit then uses to calculate and display the wire deposition in kilograms.

The Advanced model features user-selected metric or imperial units and offers data recording onto the internal memory. Data can then be transferred to a PC for integration into MS Excel spreadsheet reports.

The WFM2 is available with either a 3-Wheel or 2-Wheel Wire Feed Tachometer.



## GENERAL UNIT

Wire Diameter Range	0.8 - 4.0mm
Screen	35 x 30mm Colour LED
Operating Temp.	0 - 50°C
Transducer Size	150 x 50 x 25mm
Max. Dimensions	85 x 140 x 50mm
Battery Type	Li-Ion 7.2V 2.6Ah Rechargeable
Battery Charger	External 90-240V AC, Auto Selection
Cable Length	Approx. 4M

## MONITORED PARAMETERS

Speed Range	0.1 - 30.0m/min
Display Resolution	0.1m/min
Wire Pay Off	0.1 - 999.9M
Deposition Rate	0.1 - 999.9Kg
Welding Time	0.2 - 999.9secs
Accuracy	+/- 2%

## 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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