

Wire Feed Meter - WFM

This portable battery powered monitor enables the pre-production setting and recording of consumable electrode feed rates for automated welding processes, thus giving a predictable welding current for a given wire size and feed speed. It is also capable of measuring and recording the amount of wire pay off in metres, welding time in seconds and deposition rate in kilograms which provides valuable process costing data.

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 may then be used for in-process quality control monitoring and validation of wire feed rates.

The wire speed tachometer is supplied with four grooved idler wheels which ensure that 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.

All of the data is recorded on an internal memory and can be transferred to PC for integration into MS Excel Spreadsheet reports.



General Unit

Wire Diameter Range	0.8 to 4.0 mm
Operating Temp. Range	0 to 50°C
Display Type	Colour LED
Display Size	35 mm x 30 mm
Transducer Size	150 x 50 x 25 mm
Cable Length	Approx. 4M

Monitored Parameters

Speed Range	0.1 to 30.0 m/min
Display Resolution	0.1 m/min
Wire Pay Off	0.1 to 999.9 M
Deposition Rate	0.1 to 999.9 Kg
Welding Time	0.2 to 999.9 Seconds
Accuracy	± 2%

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