

# TSM



## TRAVEL SPEED METER

- Improve welding quality and consistency
- Reduce production costs
- Increase productivity
- Facilitate in-process quality control
- Validate welding speed
- Provide valuable process costing data
- Easy to use and mount

## Set and record travel speed rates with precision.

The TSM is a portable, battery-powered monitor available in Standard or Advanced models. It enables pre-production setting and recording of travel speed rates for automated welding processes. The monitor also measures welding time in seconds, providing valuable process costing data.

The tachometer transducer is fitted with a purpose-designed mounting plate that allows for a variety of fixing possibilities. The compact design also makes it easy to mount. The instrument can then be used for in-process quality control monitoring and validation of welding speed.

The travel speed tachometer comes with a 45mm wheel and displays the travel speed in centimetres per minute (cm/min) in real time on the main screen.

While travel speed is being logged, an internal clock counts the welding time in seconds. A separate clock counts and displays the operational time.

The Advanced model allows users to select metric or imperial units and records data to its internal memory. This data can then be transferred to a PC and integrated into MS Excel spreadsheet reports.

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

### General Specifications

Screen	50 x 70 x 48mm Colour LED
Operating Temp.	0 - 50°C
Dimensions	85 x 140 x 50mm
Wheel Size	45mm (48mm c/w 'O' Ring)
Battery Type	Li-Ion 7.4V 2.6Ah Rechargeable
Battery Charger	External 90-240V AC, Auto Selection

### Monitored Parameters

Speed	0 - 999cm/min
Display Resolution	1cm/min
Welding Time	0.2 - 999.9secs
Accuracy	+/- 2%

**UKAS 17025 calibration available on request.**

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, Great Yarmouth, Norfolk,  
NR31 0LU, United Kingdom

+ 44 (0) 1493 443800

sales@tvcalx.co.uk

www.tvcalx.co.uk