

# WM-1 WALL-MOUNT DIGITAL PYROMETER



## DESCRIPTION

SYSCON Sensors WM-1 is an accurate, easy-to-use, rugged and reliable wall mounted temperature measurement system designed for Foundries and Steel Mills. It can be used with molten Steel, Bronze, Cast Iron, Aluminum Alloys, Copper, Gold, Brass, and Silver. The WM-1 is ideally suited for SYSCON's thermocouple tips, available in a variety of styles and options.

## FEATURES

- ▣ Ideal for Foundries and Steel Mills
- ▣ Compatible with all standard thermocouple tips
- ▣ High overall instrument accuracy of  $\pm 3^{\circ}\text{F}$  ( $\pm 2^{\circ}\text{C}$ )
- ▣ Bright and easy-to-read 2" LED display
- ▣ End of measuring cycle LED indicator and alarm
- ▣ Elapsed time between temperature readings
- ▣ Rugged, dust-proof, NEMA panel
- ▣ Customized lance options available



## Technical Specifications

Input	1 Thermocouple Input
Thermocouple Type	Type S or K
Calibration Standard	IPTS 48, IPTS 68, or ITS 90
Instrument Accuracy	$\pm 3^{\circ}\text{F}$ ( $\pm 2^{\circ}\text{C}$ )
Operating Temperature	0°F - 122°F (-17°C - 50°C)
Ambient Humidity	0 – 90% Non-Condensing
Recommended Temperature Ranges	<ul style="list-style-type: none"> <li>▣ Type S: 400°F - 3182°F (205°C - 1750°C)</li> <li>▣ Type K: 400°F - 2462°F (205°C - 1350°C)</li> </ul>
Sound Level	95 dB at 12 V
Input Power	100 - 240 V AC 60 Hz
Dimensions	10" W x 5.8" H x 2.4" D (25 cm x 15 cm x 15 cm)
Weight	2.4 lb (1.1 kg)

## Ordering Information

WM-1-T-XX	WM-1 with 110V AC Power Cord T: Thermocouple type: S, K XX: IPTS calibration: 48, 68, 90
LM-S-LL-BB	Measurement Lance, Type-S w 25' lead wire LL: Lance length: 36", 48", 60" BB: Bend radius: 00, 45, 90
LM-K-LL-BB	Measurement Lance, Type-K w 25' lead wire LL: Lance length: 31", 43", 55", 72" BB: Bend radius: 00, 45, 90

## You've Been Using Our Products Since 1975!

SYSCON International, Inc. has manufactured molten metal temperature measuring and thermal analysis systems for a major private-label customer since 1975. Additional SYSCON Sensors products include:

- ▣ TS-1 Handheld Digital Pyrometer
- ▣ WM-1 Wall-Mount Digital Pyrometer
- ▣ FL-1 Ferrolab Thermal Analysis System
- ▣ Single & Multi-Use Thermocouple Tips
- ▣ Sampling Cups
- ▣ Steel Samplers
- ▣ Repair, Replacement Parts, & Calibration Services