

Modline[®] 5 Multi-Sensor System

Get Connected With Your Process



The Modline 5 multi-sensor system includes up to twelve Modline 5 infrared temperature sensors and the rugged MSI Multi-Sensor Interface. All you need to do is to connect the sensors via RS485 to start viewing process temperatures.

The MSI is a tough NEMA 4X rated 10" touch panel display that comes pre-loaded with temperature and trending display screens designed specifically for the Modline 5. The system allows full remote configuration of each sensor.

This multi-sensor system is fully web-enabled with a built-in web server that allows remote viewing and control of the MSI screens including setup of the Modline 5 sensors.

- A total system solution from Iacon - ready to go right out of the box
- System utilizes the Modline 5 Multi-Sensor Interface (MSI) to connect up to twelve Modline 5 sensors to process control systems
- Protocol conversion capabilities to communicate to PLC's, SCADA, and other systems
- Process and system alarming capabilities
- Internet/intranet connectivity for remote viewing and sensor setup
- Ideal for multiple sensor applications including redundant temperature measurement

Temperature data can be stored on a compact flash card and downloaded with your web browser or a USB connection.

The multi-sensor system provides full adaptability with your plant control strategy. It communicates with your process systems using RS-232, 485, or ethernet. With these capabilities, the Modline 5 multi-sensor system can port temperature data to just about any external PLC, controller or DCS-related device on the market.

Multi-Sensor System Examples

Temperature signal and system status from Modline 5 sensors

Model 52-1410
500 to 1400°C



Model 5R-2020
600 to 2000°C



Model 5G-1017
250 to 1000°C



Model 5G-1415
300 to 1400°C



Model 5R-1410
600 to 1400°C



MSI STANDARD FEATURES

- Connect up to twelve Modline 5 sensors to the MSI
- Configure each sensor
- Display temperature
- Display temperature alarms
- Display trending data
- Store data on compact flash memory cards
- Built-in web server
- Sensor "Health Check" status

MSI ADVANCED CONNECTIVITY

- RS232/485 (optional)
- Ethernet
- USB
- Temperature alarms
- Powerful advanced connectivity software available at no charge - includes drivers for 30 different manufacturers



DCS / SCADA



PRINTER



PC



PLC

via RS485

MSI communication

Specifications

General

Power: +24VDC +/- 20% @ 33W Maximum
 Display: 10.4 inch color TFT touch screen
 Operating Temperature: 0 to 50C
 Storage Temperature: -20 to 80C
 Humidity (Operating & Storage): 80% max.
 Weight: 5.53 lbs. (2.51 kg)

Communications

USB Port:

Adheres to USB specification 1.1. Device only using Type B connection.

Serial Ports:

Format and Baud Rates for each port are individually software programmable up to 115,200 baud using available software (contact Ircon for details)

Ethernet Port:

10 BASE-T / 100 BASE-TX used for web server applications. Can support up to 4 additional protocols.

Memory

On Board Memory:

8Mbyte of on board non-volatile Flash memory.

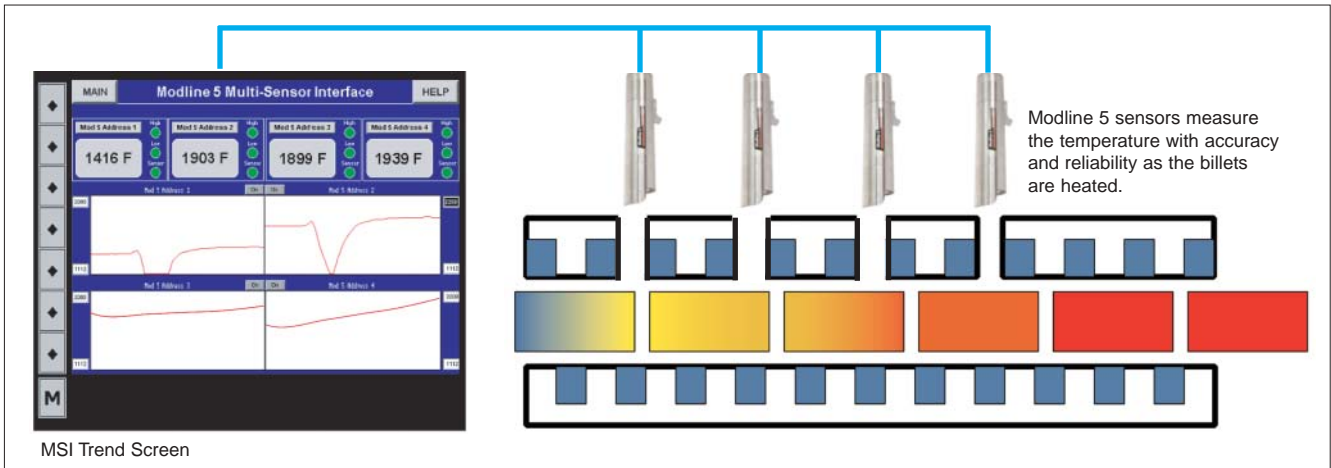
Memory Card:

Type II slot for Type I and Type II Compact Flash cards (64Mb compact flash card included)

Approvals and Certifications

IEC 1010-1, EN 61010-1: Safety requirements for electrical equip. for measurement, control, and laboratory use, Part 1 IP66 Enclosure rating (Face only), IEC 529 Type 4X Enclosure rating (Face only), UL50.

Note: All specifications subject to change without notice.



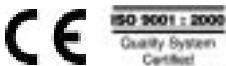
Multi-sensor system solution for induction heating billet process

Advanced Connectivity

The MSI requires additional programming to enable its advanced connectivity features. System integrators are able to program the MSI to perform advanced connectivity functions. Programming software is supplied free via the Internet and includes drivers for many manufacturers. Technical support is available. Contact Ircon for further information.

Multi-Sensor Interface and Modline 5 sensors

MODEL No.	DESCRIPTION
MSI	Multi-Sensor Interface with web server
MSIPS	Power Supply
MSICOMS	Optional RS232/485 Conversion Board
52 Series (3 models)	Modline 5 1.0 μ wavelength
5G Series (3 models)	Modline 5 1.6 μ wavelength
5R Series (3 models)	Modline 5 1.1 μ wavelength; ratio mode or single color mode operation



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