

Non-Contact Temperature Measurement Solutions for Industrial Applications

IRCON products include infrared cameras, thermometers and scanners, and sophisticated thermal imaging and temperature analysis software, designed to perform with high precision, accuracy and repeatability within harsh environments. Through a network of over 135 distributors and service centers around the globe, we offer extensive application expertise to serve a wide range of industrial quality control and process monitoring needs.

World's most advanced infrared thermometer

Modline 5

Our newest and most advanced stand-alone, microprocessor-based thermometer with all stainless steel NEMA 4 (IP65) housing is designed to withstand the harshest environments. Available with a variety of temperature and spectral options,

Modline 5 sensors are designed to serve a wide range of applications.



- One and two-color wavelength models available
- Available temperature ranges 50–3000 °C and spectral ranges .75–2.8um
- 0.3% of reading accuracy
- Hard carbon coated lenses
- Calibration check function
- Emissivity match function
- Dirty window detector option
- System Health Check function includes case temperature, electronics failure and other detection to assure accuracy
- Built-in focusable Laser or Optical aiming
- 4 – 20 mA + RS485, Read/Write, 57.6 M max. baud rate
- Focus and configuration control at back of sensor – even with all accessories installed



Get connected with you process

Modline 5 Multi-Sensor Interface

The Multi-Sensor Interface (MSI) is an easy-to-use plug-and-play graphical interface for Ircon Modline 5 sensors. Connect up to twelve sensors to one flat panel display and get full configuration and temperature display capabilities. Monitor and configure your entire process temperature on the production floor or via the Internet.



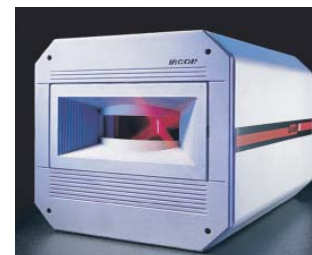
The MSI offers compatibilities with your plant control strategy. With multiple RS232/ 422/485 com ports, an Ethernet port and a USB port, and abilities to port temperature and control data to just about any external PLC, controller, PC or DCS system, the Modline 5 MSI will not limit you from your goals.

- Complete, multiple Modline 5 sensor setup
- Real-time, simultaneous temperature display of all connected Modline 5 sensors
- Temperature trending display
- Alarm indication and data logging
- Internet connectivity with build in web server.
- Full range of drivers available (over 45 drivers)

Advanced line scanning thermometer

ScanIR II

ScanIR II is a fast and accurate stand-alone temperature detection system designed to scan wide widths of moving target(s), ideal for web or conveying processes.



Advanced ScanIR2 software options enable real-time 2D and 3D thermal imaging.

- 35 to 2500 °C temperature range
- Scan rate from 10Hz to 100 Hz
- Laser aiming option available
- 10 independent spot or zone measurements
- 10 separate analog and digital outputs

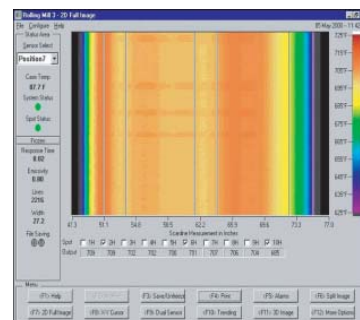
Microcomputer-based infrared thermometer

Modline 3

One of our longest-serving and top-selling models, Modline 3 offers high-performance, rugged and reliable sensors with a micro computer-based digital indicator/ processor.



- Ratio (2-color) pyrometers available in many ranges
- 25 to 3500 °C
- Four selectable isolated and linear outputs
- PID or On/Off control
- RS 485 two-way data transfer communication port



Infrared thermometer/2-wire transmitter

Modline 4

Simple and extremely reliable rugged sensor for low and medium temperature applications. Self-contained, DC operation, no moving parts and stable performance.

- -50 to 1300 °C
- Six different spectral regions
- 4 - 20 mA output, Loop powered
- Excellent ambient temp. compensation



DIN-rail mountable infrared thermometer

InfraRail

Signal conditioner/two-wire transmitter in one DIN-rail mountable unit. Very compact and strong design. Ideal for OEM's and End-users in furnaces, induction heating, steel and glass applications.

- 375 to 3000 °C
- Din-rail mounted
- 3 sensor types: Fiber optic
Miniature fixed focus
Thru-the-lens SLR
- Two-wire, loop powered, 4 to 20 mA.
- Up to 93 °C without cooling
- Fiber optic up to 200 °C



Low cost miniature infrared thermometer

MiniIRT

This rugged and versatile miniature infrared sensor has many unique features and is only 16mm by 36mm in length

- 0 to 750 °C
- Small sensor head
- Three spectral regions
- 5 outputs incl. type J and K thermocouples



World class capabilities

Mirage

Compact processor with 5 fast and flexible sensors that provide a choice of focusable SLR optics, dual wavelength or fiber optics for targets as small as 0.3mm.

- 80 to 3500 °C
- Choice of 5 sensor series
- Two point On/Off control option
- Analog processor and display



Portable pyrometer with data logging ability

Ultimax

Easy-to-use portable pyrometer with temperature display for process control and maintenance applications.

- Up to 1000 points data logging.
- Thru the lens focus.
- 4- 20 mA output and TC input.
- Analytic software
- -50 up to 3000 °C
- Ratio (2-color) available



A small sensor with big capabilities

Javelin

Rugged stand-alone micro-processor infrared thermometer. Stainless steel housing 38 x 198 mm, NEMA 4 (IP65). 3 wavelengths, temperatures of 20 up to 1300 °C

- Designed for food, glass, plastic and low temperature applications
- 0-10 Vdc, 4-20 mA outputs
- Laser aiming; small targets
- Accuracy, +/- 1% of reading



Thermal Imaging Solutions

Maxline 2

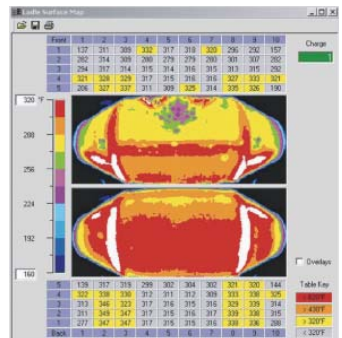
Maxline 2 thermal imaging systems are designed for a multitude of industrial applications. The system is available in four spectral ranges covering 0 to 2500 °C.

Specialized applications:

- Molten metal ladle or torpedo car monitoring
- Plastic seal integrity inspection
- Fiber optic perform inspection
- Laser weld inspection
- Backlite thermal grid inspection

Specifications:

- 60 frames per second
- Radiometric output
- Remote focus
- 0.1 °C NETD
- 14 bit digital video output
- Uncooled FPA detector



ISO 9001 : 2000
Quality System
Certified



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