

Providing a world of temperature measurement solutions to industry

Fixed & Digital Infrared Thermometer Systems

Portable & Fixed Thermal Imagers

Hand Held, Portable Infrared Thermometers

Infrared Linescanners



System 4 - Landmark Graphic, Classic, Basic, Technic & Profibus Systems

Extensive range of on-line temperature measurement systems designed to provide flexibility and choice in performance and price.

Landmark Graphic - High precision processor providing deviation, line charts, numeric and mixed displays. Up to 4 thermometer inputs, serial communications and Math function options.

Landmark Classic - Simple modular build so the user can select the features to suit the application.

Landmark Basic - Low cost, DIN-rail mounted signal processor. Optional DPU power supply and LMi indicator.

Landmark Technic - Digital, DIN-rail mounted signal processor. Ideal for both OEM and end user applications.

Landmark for Profibus - Digital, DIN-rail mounted signal processor. Ideal for both OEM and end user Profibus network integrations.

System 4 thermometers - Extensive range of single or ratio (2-colour) wavelength, standard or Fibroptic thermometers with focusable optics, thru-the-lens sighting, laser targeting.



Digital Thermometers and Thermometer Systems

Intelligent, high precision digital infrared thermometers.

SOLOnet is a compact RS485, web browser and Ethernet enabled infrared thermometer system offering the user maximum flexibility and connectivity.

SOLOnet can be configured to suit individual measurement and control requirements from 200 to 1750°C.

Live temperature data is displayed on a laptop, PC or industrial computer system for ease of configuration.



Stand Alone Thermometers

Stand Alone thermometers combine sensor and processor functions in one high-precision unit.

UNO, RT8A and Model FG series of thermometers offer the features, functions and price to match your application and budget.

From simple 2-wire loop configurations at low temperatures to the most demanding high temperature applications that require peak picking and laser targeting.



Application Solutions

Designed to solve temperature measurement problems in specific industrial applications.

- Aluminium Extrusion
- Aluminium Rolling
- Galvanizing/Galvanneal
- Float Line
- Incinerator Plant
- Iron Foundry Molten Metal
- Optical Fibre Production
- Glass Forehearth and Melter
- Glass Tempering
- Continuous Casting

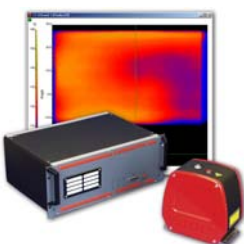
Landscan - Infrared Linescanners

Landscan process imaging systems thermally map the entire surface of an object resulting in an exact temperature map, enabling the user to analyze the process and control quality.

Defines 1000 discrete temperature points within the range 20 to 1400°C at up to 100 times per second. Temperature data is processed and displayed as a real-time thermal map, 2-D or 3-D profile.

A range of models is available to suit the application:

- Galvanizing Line
- Induction Heating
- Float Glass
- Hot Strip, Steel Rolling and Rod Mills
- Curing Coated Sheet Material
- Glass Bending and Toughening





Fixed/On-line Thermal Imaging

Land FTI on-line and transportable thermal imaging systems provide real-time thermal imaging of industrial process, plant and electrical installations within the range -20 to 2000°C.

- The compact, rugged **FTI Mini** process imager provides continuous, on-line thermal monitoring from -20 to 500°C in a wide spectrum of industrial applications.
- The miniature **FTI Mv** thermal imager provides on-line monitoring from -2- to 500°C, in machine vision, medical, research and mass screening applications.
- The **HBMS**, Human Body Temperature Monitoring system, which can use either the **FTI Mv** or **FTI Mini** thermal imager, offers a complete new integrated infrared monitoring system designed specifically for low cost mass screening purposes.
- A rugged high precision, transportable/fixed process imager provides accurate temperature measurement and thermal imaging from -20 to 2000°C.

Powerful LIPS software can be used for detailed analysis and report writing.

Portable Thermal Imaging

Land's portable thermal imagers are low cost, high resolution thermal imagers - their lightweight, compact design and ease of use make them ideal for the professional thermographer and dedicated maintenance personnel.

- **LAND Cyclops TI 814** - This full featured, high performance thermal imaging camera has a temperature measurement range from -20 to 1500°C and a high quality aspherical lens with motorised focus and digital zoom. Thermal images are displayed in the viewfinder and bright LCD display. They can be displayed and captured for later use in reports. Images and sound files are saved on to a Compact Flash memory card for download and further analysis. An on board digital camera is available.
- **LAND Guide M4** - The cell phone-sized Land Guide M4 thermal imager is compact, ergonomically designed and easy to operate - the ideal choice for an ever-increasing variety of industrial thermal imaging applications.



Cyclops Hand-held, Portable Infrared Thermometers

Provide accurate non-contact temperature measurements from -50 to 3000°C.

Land Cyclops portable infrared thermometers have thru-the-lens sighting to ensure precise target definition and have a digital display of temperature in the viewfinder. Features include choice of operating modes (e.g. continuous, average, peak or valley) and output to the DL-1000 Data Logging System or direct to a PC.

Applications include process monitoring, quality control, R&D and preventive maintenance.

- **C100/C100B** (550 to 3000°C) Short wavelength for fast accurate results. C100B has a Bluetooth option for cable free download to the DL-1000 data logger system.
- **Cyclops Meltmaster** (1000 to 1800°C) For molten metal measurements in the foundry.
- **Cyclops 300AF/C300bAF** (-50 to 1000°C) Auto focus feature for operational simplicity. C300bAF has a rectangular field of view.
- **Land PockeTherm** - 4 models 30, 30A, 31, 32. Overall temperature range -50 to 500°C. Low cost, laser targeting pocket infrared thermometer, available with alarms and 2.5mm min. target diameter.



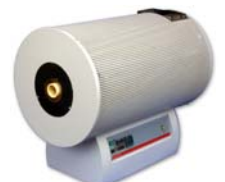
Calibration Equipment and Support Services



Land operates an extensive calibration and repair facility with certifications traceable to national and international standards, including UKAS and NIST.

A comprehensive line of calibration equipment enables our customers to establish their own calibration and repair facility.

Our **Support Services Group** is on call for technical assistance, maintenance agreements, on-site service and training at our laboratory or your facility.



Environmental and Combustion Monitoring Products

Land Instruments International also design and manufacture a comprehensive range of products for combustion efficiency, flue gas analysis and environmental emissions monitoring.

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