

LAND

3 Reasons You Should Talk to Us First



Non-Contact Temperature Measurement Solutions

CYCLOPS

An **AMETEK**® Company

LAND

Reason #1

Land Cyclops Spot Thermometer FACTS

- Easy to use with superior accuracy
- Quality optical systems
- Specialized detectors
- Digital electronics
- Through-The-Lens sighting
- Optional wireless data transmission
- Excellent ergonomics
- Single-handed operation
- Measurement algorithms
- In-Viewfinder temperature display
- View window compensation

THE BEST TECHNOLOGY

For Your Application

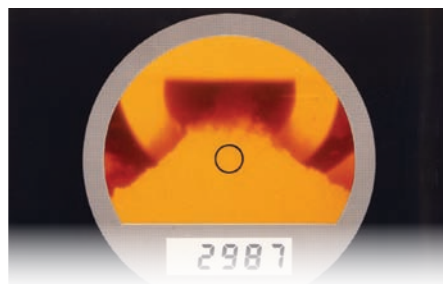
Land Cyclops is the industry leading standard for high quality portable infrared thermometers. Using camera quality Through-The-Lens sighting, what you see is what you measure.

The single handed design enables you to make temperature measurements in hostile environments. Hold on to a hand rail and simultaneously take temperature readings.

High quality fully focusable lenses ensure the smallest spot size measurements at any distance.

Digital signal processing and linearization produce industry leading accuracies.

Bluetooth® communication options allow for cordless data-logging.



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Reason #2

LAND FACTS

- We are the world's leading specialists in the design, manufacture and application of non-contact temperature measurement systems.
- As innovators and producers of high quality thermometers and process imaging systems for over sixty years, Land's position is unsurpassed.
- State-of-the-Art service, repair and laboratory facility
- Land provides worldwide distribution, installation and an extensive support network.
- We have a dedicated training facility to provide on-site or on-line specialist, tailor made courses in all aspects of radiation thermometry.



THE BEST COMPANY

Unsurpassed For 60 Years

LAND prides itself on both quality of product and quality of service. Quality Management systems are in place to oversee all functions of the company including design, manufacture and after sales service. The primary aim of these systems is to guarantee total customer satisfaction with all LAND products.



The calibration laboratory at LAND in the UK became the first to be externally accredited to issue UKAS (United Kingdom Accreditation Service) certificates for thermal measurements and the first to meet the requirements of ISO17025. The calibration of most types of industrial non contact temperature sensors including on-line, portable, scanning and thermographic systems is undertaken in the custom built laboratory.

The calibration laboratory at LAND in the USA offers similar calibration services. The laboratory holds external accreditation to issue LAB (Laboratory Accreditation Bureau) certificates. These facilities also meet the requirements of ISO17025.



Land Cyclops Spot Pyrometer Family Can Be Used In Any Application with temperatures ranging from 842°F/ 450°C to 5432°F /3000°C

CYCLOPS 100

Industry leading accuracy and ease of use

Land Cyclops 100 is a high temperature, high precision, portable infrared thermometer with Through-The-Lens sighting for extremely accurate targeting. The C100 is ideal for use in a wide range of industries and applications, such as steel, glass, refractories, heat treating, and semi-conductors.

Two models are available - Cyclops 100 and Cyclops 100B. Both provide wired RS232 serial communications - Cyclops C100B also features user-friendly Bluetooth® wireless communications.

FEATURES

- Temperature range 1022 to 5432°F/ 550 to 3000°C
- High accuracy and repeatability; +/- 0.25% of reading
- Single-handed operation keeps you safe in hazardous locations
- Bluetooth® option available
- Manual Focus Optics from 39.9in/1m to infinity
- Advanced spectral filtering to give enhanced performance
- Choice of datalogged outputs
- Continuous, Peak, Valley and Averaging modes
- Multi functional display
- Flexible user configuration
- Range of optional accessories

See back page for more features. For full specifications or more information, please contact us directly



CYCLOPS 055 Meltmaster

Liquid Iron Measurement

The unique features of the Cyclops Meltmaster portable infrared thermometer will reduce disposable dip thermometer measurements and save you money.

Measuring the temperature of molten metal in a foundry can be a slow and disruptive process. The use of disposable dip thermocouples can be both expensive and hazardous. The Meltmaster is both fast and accurate, easy to use, and does not contact the liquid metal.

FEATURES

- Temperature range of 1832-3632°F/1000-2000 °C
- High accuracy liquid metal temperature measurement; +/- 0.5% of reading
- Single-handed operation keeps you safe in hazardous locations
- Bluetooth® option available
- Fixed Focus Optics
- Maximize production rates and efficiency
- Reduce the consumption of disposable dip thermocouples
- Advanced 'Meltmaster' measurement mode
- Choice of datalogged outputs
- Multi functional display
- Range of optional accessories

See back page for more features. For full specifications or more information, please contact us directly



CYCLOPS 390B FurnacePro

Maximize Production Rates and Efficiency for Reformer and Heater Tubes

The unique features of the Cyclops 390B portable infrared thermometer make it the ideal instrument for accurate non contact temperature measurements in hydrocarbon - fuelled furnaces, as it is unaffected by hot CO₂ and water vapor in the furnace gas.

Where measurement errors due to hotter background reflections are a problem, an optional data logging software with background reflection compensation can be used.

FEATURES

- Temperature range of 842-2552°F/450-1400°C
- High accuracy furnace temperature measurement; +/- 0.5% of reading
- Single-handed operation keeps you safe in hazardous locations
- Bluetooth® wireless technology - standard
- Manual Focus Optics from 39.9in/1m to infinity
- Background temperature compensation
- Narrow field of view is ideal for measurement of reformer tubes etc.
- Choice of datalogged outputs
- Multi functional display
- Range of optional accessories

See back page for more features. For full specifications or more information, please contact us directly



	055	100	390B
In-viewfinder Display	✓	✓	✓
Single Handed Operation	✓	✓	✓
0.25% of Reading Accuracy		✓	
External Display	✓	✓	✓
Digital Signal Processing	✓	✓	✓
Wireless Bluetooth Data Option	✓	✓	standard
Fully Focusable Lens		✓	✓
Specially Designed for Liquid Metals	✓		
Through-The-Lens Sighting	✓	✓	✓
Adjustable Eyepiece (for eyeglass wearers)	✓	✓	✓
Sees Through Hot Furnace Gases			✓
Temperature Range (min)	1832°F/1000°C	1022°F/550°C	842°F/450°C
Temperature Range (max)	3632°F/2000°C	5432°F/3000°C	2552°F/1400°C

Land Fixed Spot Pyrometers

The LAND family of fixed spot pyrometer systems measure spot temperatures in the range 32 to 5234 °F/0 to 3000 °C. Features include: through the lens sighting, laser sighting, variable focus, 4-20 mA output and remote displays and processors.



UNO and System 4

Systems are used for the glass, steel and cement industries, as well as textiles, paper and plastic thermoforming - anywhere accurate temperature measurement is required.

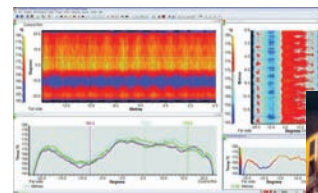


SoloNET

Linescanning and Process Imaging

The Landscan thermal scanner provides solutions in many applications where a more complete temperature profile is appropriate, such as steel, power, glass, aluminum, thermoforming, non-wovens, cement and pulp and paper.

LAND has linescanning and process imaging solutions available for many applications. These systems are designed and manufactured to work continuously in extremely hostile environments.



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Non-Contact Temperature Measurement Solutions

An AMETEK Company



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Applies to the USA