LAND®
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Cyclops 100L

Portable industrial pyrometer

The Cyclops 100L series sets the industry standard for high-quality, portable, non-contact pyrometers. It is ideal for multiple steel and glass applications with a temperature range of 600 - 3000°C / 1112 - 5432°F.

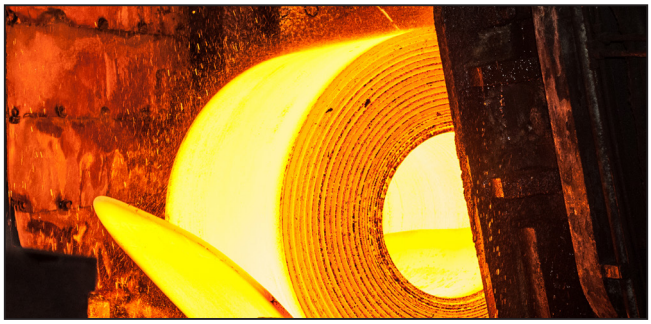
Using through the lens sighting, the single handed, ergonomic design enables you to make temperature measurements in harsh environments. The high quality fully focusable lenses ensure the smallest spot size measurements at any distance. On-board data-logging means accurate measurements are stored directly to the instrument.

The 2F model provides an eye protection filter for high temperature / high radiation intesities, such as in hot glass melt tank applications.

Cyclops logger software enables data transfer to computers or mobile devices, displaying current readings, a table view, and a trend view.

Accessories include a heat-resistant jacket, waterproof carry case, and long eye relief eyepiece adapter for use with protective goggles or face shields.

Cyclops 100L is a general purpose, high precision pyrometer which can be used for for steel making, refractories, glass plants and more.



FEATURES & BENEFITS

- **Rugged instrument casing** ensures the Cyclops can withstand harsh environments for extended periods, protecting against high temperatures, bumps and drops.
- **Standard Bluetooth® and USB connectivity** allows wireless and USB options for communicating straight to a mobile device or PC.
- **Traceable calibration available** to guarantee your measurement accuracy.
- **Free logger software** provides data analysis to identify on-site trends, improve process efficiency or protect assets and prolong their lifecycles.
- **Internal Data Logging** of up to 9999 readings and 9 routes, eliminating the need to for seperate storage device.

See degrees differently.

SPECIFICATIONS

	Cyclops 100L
Measurement Range:	600* to 3000 °C / 1112 to 5432 °F
Spectral response:	1 µm with advanced spectral filtering
Measuring modes:	Continuous, Peak, Valley and Average
Display:	External backlit LCD display 5-digit LCD in viewfinder
Data logging:	9999 readings and 9 routes internally; Mobile or PC logger software (via Bluetooth® or USB connector)
Data logging modes:	Classic, Burst, Latched, Route
Focusing Range:	1 m / 39.3 in. to infinity 450 to 620 mm / 17.7 to 24.5 in. and 215 mm / 8.5 in. fixed focus - with optional close-up lens
Repeatability:	<1 °C / 2 °F
Optical system:	9° field of view; eyepiece adjustable -3.75 to +2.5 diopters
Accuracy:	0.25 %K
Minimum target size:	5 mm at 1 m / 0.19 in. at 39.3 in., 1.8 mm / 0.07 in. and 0.4 mm / 0.016 in. - with optional close up lens
Emissivity adjustment:	0.10 to 1.20 in 0.01 step graduations
Display update time:	0.5 s
Response Time:	30 ms
Measurement resolution:	0.1 °C / 1 °F
Measurement field of view:	180:1 circular
Operating temp range:	0 to 50 °C / 32 to 122 °F
Power Req.:	One MN1604 / 6LR61 / PP3 Battery or USB
Weight:	0.83 kg / 1.8 lb.
Sealing:	IP40
Output:	Bluetooth®/USB Connector
Free Data-logger Software:	Available at https://www.ametek-land.com/products/software/cyclopslogger; For Android devices, the Cyclops Data Logger App is available through the Google Play Store
Standard accessories:	Lens cap, protection window/filter, battery, wrist strap, USB cable, heat protection jacket
Optional accessories:	Waterproof carry case, long eye relief eyepiece

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*** Temperature is displayed down to 550 °C / 1022 °F but accuracy is not guaranteed.**

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We are fully committed to Quality Assurance. See all our accreditations at **AMETEK-LAND.COM/QUALITY**

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