



# Cyclops C390L

## Portable industrial pyrometer

The Cyclops series sets the industry standard for high-quality, portable, non-contact pyrometers. The Cyclops 390L is specifically designed for hydrocarbon and industrial processing applications. Its specially-selected 3.9  $\mu\text{m}$  wavelength means it can measure accurately even in the presence of smoke and flames.

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.

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 390L is a highly accurate pyrometer for temperature measurement for Reformer, Tube and Heat Treatment Furnaces.**



## 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.
- **3.9  $\mu\text{m}$  wavelength** allows accurate measurements even when smoke and flames are present.
- **Built in Route Mode** to methodically execute pre-configured routes ensuring accurate readings and long term data trending.
- **Internal Data Logging** of up to 9999 readings and 9 routes, eliminating the need to for separate storage device.

**See degrees differently.**

# SPECIFICATIONS

	Cyclops 390L
<b>Measurement Range:</b>	450 to 1400°C / 842 to 2552°F
<b>Spectral response:</b>	3.9 µm
<b>Measuring modes:</b>	Continuous, Peak, Valley and Average
<b>Display:</b>	External backlit LCD display 5-digit LCD in viewfinder
<b>Data logging:</b>	9999 readings and 9 routes internally; Mobile (4 GB standard storage) or PC logger software ( via Bluetooth® or USB connector)
<b>Data logging modes:</b>	Classic, Burst, Latched, Route
<b>Focusing Range:</b>	1 m / 39.3 inches to infinity
<b>Repeatability:</b>	<1 °C / 2 °F
<b>Optical system:</b>	9° field of view; eyepiece adjustable -3.75 to +2.5 diopters
<b>Accuracy:</b>	<0.5% of reading
<b>Minimum target size:</b>	4.8 mm / 0.19 in square at 101.4 cm / 39.9 in nominal from the thermometer body datum
<b>Emissivity adjustment:</b>	0.10 to 1.20 in 0.01 step graduations
<b>Display update time:</b>	0.5 s
<b>Response Time:</b>	<500 ms (to 98%)
<b>Measurement resolution:</b>	0.1 °C / 1 °F
<b>Measurement field of view:</b>	180:1 circular
<b>Operating temp range:</b>	0 to 50 °C / 32 to 122 °F
<b>Power Req.:</b>	One MN1604 / 6LR61 / PP3 Battery or USB
<b>Weight:</b>	0.83 kg / 1.8 lb.
<b>Sealing:</b>	IP40
<b>Output:</b>	Bluetooth®/USB Connector
<b>Free Data-logger Software:</b>	Available at <a href="https://www.ametek-land.com/products/software/cyclopslogger">https://www.ametek-land.com/products/software/cyclopslogger</a> ; For Android devices, the Cyclops Data Logger App is available through the Google Play Store
<b>Standard accessories:</b>	Lens cap, protection window/filter, battery, wrist strap, USB cable, heat protection jacket
<b>Optional accessories:</b>	Waterproof carry case, long eye relief eyepiece
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## CONTACT US

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